Access DB# 132284

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Michael Burleson Examiner #: 80130 Date: 8/13/04
Art Unit: 2620 Phone Number 305-8663 Serial Number: 09727330
Location: CPK1 4C39 Results Format Preferred (circle): PAPER (DISK) E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

****

.Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Linefeed Calibration Method for a Printer

Inventors (please provide full names):

Earliest Priority Filing Date: 11/29/00

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

- inkjet printer
  - first group nozzles form base pattern
  - second group nozzles form overlay pattern
    - interference pattern with luminance representative
- reference luminance (brightness of white or light)

****

STAFF USE ONLY	Type of Search		Vendors and cost where applicable	
Searcher: Samir Patel	NA Sequence (#)		STN	
Searcher Phone #: 306-0254	AA Sequence (#)		Dialog	✓
Searcher Location: PK2 3C03	Structure (#)		Questel/Orbit	
Date Searcher Picked Up: 9:00 A.M 09/15	Bibliographic	✓	Dr.Link	
Date Completed: 8/21 4:5 P.M 09/15	Litigation		Lexis/Nexis	
Searcher Prep & Review Time: 200	Fulltext	✓	Sequence Systems	
Clerical Prep Time:	Patent Family		WWW/Internet	DTIC, IEEE
Online Time: 125	Other		Other (specify)	

STIC Search Report
EIC 2600

STIC Database Tracking Number: 132289

TO: Michael L Burleson **Location: PK1-4C39** **Art Unit : 2626** **Wednesday, September 15, 2004** **Case Serial Number: 09727330**	**From: Samir Patel** **Location: EIC 2600** **PK2-3C03** **Phone: 306-0254** **Samir.patel@uspto.gov**

Search Notes

Dear Examiner, Date:-09/15/04

Please find attached the search results for 09727330. I used the search strategy I emailed to you. I searched the standard Dialog files, IEEE, DTIC and the internet.

If you would like a re-focus please let me know.
Thank You
Samir PAtel

```
File   2:INSPEC 1969-2004/Sep W1
         (c) 2004 Institution of Electrical Engineers
File   6:NTIS 1964-2004/Aug W4
         (c) 2004 NTIS, Intl Cpyrght All Rights Res
File   8:Ei Compendex(R) 1970-2004/Sep W1
         (c) 2004 Elsevier Eng.  Info. Inc.
File  34:SciSearch(R) Cited Ref Sci 1990-2004/Sep W1
         (c) 2004 Inst for Sci Info
File  35:Dissertation Abs Online 1861-2004/Aug
         (c) 2004 ProQuest Info&Learning
File  65:Inside Conferences 1993-2004/Sep W2
         (c) 2004 BLDSC all rts. reserv.
File  94:JICST-EPlus 1985-2004/Aug W3
         (c)2004 Japan Science and Tech Corp(JST)
File  95:TEME-Technology & Management 1989-2004/Jun W1
         (c) 2004 FIZ TECHNIK
File  99:Wilson Appl. Sci & Tech Abs 1983-2004/Aug
         (c) 2004 The HW Wilson Co.
File 144:Pascal 1973-2004/Sep W1
         (c) 2004 INIST/CNRS
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
         (c) 2003 EBSCO Pub.
File 239:Mathsci 1940-2004/Oct
         (c) 2004 American Mathematical Society
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File 603:Newspaper Abstracts 1984-1988
         (c)2001 ProQuest Info&Learning
File 483:Newspaper Abs Daily 1986-2004/Sep 14
         (c) 2004 ProQuest Info&Learning
File 248:PIRA 1975-2004/Aug W5
         (c) 2004 Pira International

Set     Items   Description
S1      24151   ((INKJET?? OR INK()JET??)(5N)PRINTER??) OR PLOTTER??
S2       5139   (LINEFEED?? OR LINE()FEED?? OR ALIGN????)(5N)(ERROR?? OR C-
             ALIBRAT????)
S3      37411   (PAPER?? OR MEDIA?? OR PAGE?? OR SHEET???)(5N)(ERROR?? OR -
             CALIBRAT????)
S4     171080   BASE??(2N)(PATTERN??  OR MARK?? OR DESIGN?? OR LAYOUT?? OR
             LAY()OUT??)
S5      17819   (OVERLAY?? OR TOP OR ABOVE?? OR OVER()LAY??)(2N)(PATTERN??
             OR MARK?? OR DESIGN?? OR LAYOUT?? OR LAY()OUT??)
S6     179119   (INTERFERENCE?? OR CALIBRAT???? OR TEST?? OR ALIGNMENT?? OR
              MISALIGNMENT??)(2N)(PATTER??  OR MARK?? OR DESIGN?? OR LAYOU-
             T?? OR LAY()OUT??)
S7     137521   (SENS??? OR DETECT??? OR DETERMIN??? OR  ANALY???? OR MONI-
             TOR??)(4N)(LUMINANC??  OR LUMINESC?? OR LUMINOCI??? OR ILLUMI-
             NAT???? OR BRIGHT???? OR LIGHT???)
S8          3   AU=(KINAS E? OR KINAS, E?)
S9         37   S1 AND (S2 OR S3)
S10        32   RD (unique items)
S11         2   S10 AND (S4 OR S5 OR S6)
S12         1   S10 AND S7
S13         1   S12 NOT S11
S14       236   S1 AND (S4 OR S5 OR S6)
S15         1   S14 AND S7
S16         3   RD S8 (unique items)
```

S17	0	S16 AND S1
S18	0	S16 AND PRINT?
S19	631	(S3 OR S4) AND S7
S20	4	S19 AND PRINTER?
S21	4	RD (unique items)
S22	3	S21 NOT (S15 OR S12 OR S11)
S23	4	S6 AND S7 AND PRINTER?
S24	4	S23 NOT (S21 OR S15 OR S12 OR S11)

11/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

4414084 INSPEC Abstract Number: C9307-5550-015
Title: Pen alignment in a two-pen, large-format, inkjet drafting plotter
Author(s): Hasebly, R.D.
Author Affiliation: Hewlett Packard Co., Palo Alto, CA, USA
Journal: Hewlett-Packard Journal vol.43, no.6 p.24-7
Publication Date: Dec. 1992 Country of Publication: USA
CODEN: HPJOAX ISSN: 0018-1153
Language: English
Subfile: C

Title: Pen alignment in a two-pen, large-format, inkjet drafting plotter
Abstract: Misalignments are found by using a quad photodiode sensor to measure **test patterns** printed on the **media** . Scan-direction **errors** are corrected by timing adjustments. **Media** -direction **errors** are corrected algorithmically and mechanically.
...Descriptors: **plotters**
...Identifiers: **media** -direction **errors** ; ...

...HP DesignJet drafting **plotter** ; ...

...inkjet drafting **plotter** ; ...
... **test patterns** ;

11/3,K/2 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

02105748 Genuine Article#: KB511 No. References: 0
Title: PEN ALIGNMENT IN A 2-PEN, LARGE-FORMAT, INKJET DRAFTING PLOTTER
Author(s): HASELBY RD
Corporate Source: HP,PRINTER DIV/SAN DIEGO//CA/00000
Journal: HEWLETT-PACKARD JOURNAL, 1992, V43, N6 (DEC), P24-27
ISSN: 0018-1153
Language: ENGLISH Document Type: ARTICLE (Abstract Available) (NO REFS KEYED)

Title: PEN ALIGNMENT IN A 2-PEN, LARGE-FORMAT, INKJET DRAFTING PLOTTER
Abstract: Misalignments are found by using a quad photodiode sensor to measure **test patterns** printed on the **media** . Scan-direction **errors** are corrected by timing adjustments. **Media** -direction **errors** are corrected algorithmically and mechanically.

13/3,K/1 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

06760260 E.I. No: EIP04128064356
Title: A High Consistency Color Correction System in an Inkjet Printer
Author: Vilanova, Ferran; Borrell, Ramon
Corporate Source: Hewlett-Packard, Barcelona, Spain
Conference Title: IS and T's NIP18: International Conference On Digital Printing Technologies
Conference Location: San Diego, CA, United States Conference Date: 20020929-20021004
E.I. Conference No.: 62374
Source: International Conference on Digital Printing Technologies 2002.
Publication Year: 2002
Language: English

Title: A High Consistency Color Correction System in an Inkjet Printer
Abstract: A variety of sources of variability cause inconsistent color reproduction in **Inkjet Printers** . Difference in the size of drops ejected, paper type and environmental conditions, to name a...

...errors and a set of color profiles built in the printer's driver. A periodical **calibration** of the printer/ **media** system ensures consistent and accurate colors in the output. The performance achieved is currently the leading edge in **inkjet printers** , enabling color accuracy errors below 4 dE//a//b* maximum, which is at least 50% more accurate than most **Inkjet printers** . 3 Refs.
...Descriptors: computer); Color printing; Image sensors; Error compensation; Color codes; Thermal printing; Closed loop control systems; **Light** emitting diodes; Spectrum **analysis** ; Photodiodes; Cathode ray tubes ; Signal to noise ratio; Algorithms
Identifiers: Total color error (TCE); **Inkjet** color **printers**

15/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

01498696 INSPEC Abstract Number: A80041994
Title: Modified Young's double slit experiment
Author(s): Kang, C.S.; Yap, B.C.
Author Affiliation: School of Phys., Univ. Sci. Malaysia, Penang, Malaysia
Journal: American Journal of Physics vol.47, no.12 p.1103-4
Publication Date: Dec. 1979 Country of Publication: USA
CODEN: AJPIAS ISSN: 0002-9505
Language: English
Subfile: A

...Abstract: Young's double slit experiment, in which the spatial intensity variation of the laser light **interference pattern** is recorded using a **light detecting** circuit and an X-Y **plotter** , is described. This apparatus can be used to verify the theoretical derivation of the intensity.
...Identifiers: laser light **interference pattern** ; ...

... **light detecting** circuit...

...X-Y **plotter**
?

22/3,K/1 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS
(c) 2004 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

0286287 NTIS Accession Number: AD-729 196/XAB
Format Converter
(Final technical rept)
Tobias, R. ; Cole, M. R.
C and C Research Inc Danvers Mass
Corp. Source Codes: 389437
Report No.: CC-R71-10; RADC-TR-71-159
Aug 71 35p
Journal Announcement: GRAI7120
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A03/MF A01

... color with system resolution of 90% at 120 L/mm. The unit features a continuous **light** level **monitor** and allows for minor correction of original film density, and color. The choices, problems and...

... are discussed in the chronological order of the development of the instrument. Suggestion for future **designs based** upon experience with the system are given. (Author)
Descriptors: Motion picture film; *Projection **printers** ; *Motion picture projectors; Reproduction; Design; Camera lenses; Resolution; Exposure meters; Lighting equipment

22/3,K/2 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

03478948 E.I. Monthly No: EI9209119294
Title: Characterization of smoke from smoldering combustion for the evaluation of light **scattering type smoke** detector **response.**
Author: Meacham, Brian, J.; Motevalli, Vahid
Corporate Source: Worcester Polytechnic Inst, Worcester, MA, USA
Source: Journal of Fire Protection Engineering v 4 n 1 Jan-Mar 1992 p 17-28
Publication Year: 1992
CODEN: JFPEEN ISSN: 1042-3915
Language: English

Title: Characterization of smoke from smoldering combustion for the evaluation of light **scattering type smoke** detector **response.**
...Abstract: performed to characterize smoke produced from smoldering materials using light scattering theory. A prototype Scattered **Light Detection** Instrument (SLDI) was developed to measure the intensity of light scattered at various angles by...

...perform experiments using various fuels. Four different fuels - rubber, cotton, douglas fir (wood), and computer **printer** paper - were burned in the smoldering mode at various positions with respect to the SLDI...
...as the fuel changes, consistent with Mie scattering theory. This

suggests that an evaluation method **based** on detector **design** parameters and smoke characteristics other than (and in addition to) optical density is possible. The...
Identifiers: SMOLDERING COMBUSTION; SCATTERED **LIGHT** **DETECTION** INSTRUMENT; **LIGHT** SCATTERING

22/3,K/3 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

03061017 JICST ACCESSION NUMBER: 96A0905594 FILE SEGMENT: JICST-E
Displays in colore management. (part 2). Color calibration of CRT displays.
UESUGI SHIN'YA (1)
(1) Chuomusen
Gazo Rabo, 1996, VOL.7,NO.10, PAGE.58-60, FIG.5
JOURNAL NUMBER: L2340AAI ISSN NO: 0915-6755
UNIVERSAL DECIMAL CLASSIFICATION: 621.385:621.397 535.6
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

ABSTRACT: This paper describes color adjustment for use in **media** and color **calibration** technology of CRT displays, and deterioration with age of CRT and its cause. There are respective **sensor** types for **luminance** , RGB and chromaticity in a colorimeter for display calibration (calibrator), and their features are described...
...DESCRIPTORS: color **printer**
...BROADER DESCRIPTORS: **printer**

24/3,K/1 (Item 1 from file: 6)
DIALOG(R)File 6:NTIS

0322876 NTIS Accession Number: PB-208 791/XAB
Instrumentation for In-Situ Determination of Ice Particle Size Distribution
(Research and development progress rept)
Schneider, G. R.
Rocketdyne, Canoga Park, Calif.
Report No.: INT-OSW-RDPR-72-770
Apr 72 59p
Journal Announcement: GRAI7212
Paper copy available from GPO $0.60 as stock no. 2400-0732. Order this product from NTIS .by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: MF A01

An automatic particle size **analyzer** , composed of a **light** -scattering apparatus as a **sensor** , a pulse converter for signal processing, a pulse height analyzer for signal sorting and storage, an X-Y RECORDER, AND A SERIAL **PRINTER** FOR DATA READOUT, WERE ASSEMBLED, MODIFIED WHERE NECESSARY, AND CALIBRATED TO DETERMINE THE SIZE DISTRIBUTION...
Descriptors: Desalting; *Freezing; *Ice; *Particle size; **Analyzers** ; Automation; **Light** scattering; Crystallizers; Pulse height **analyzers** ; Brines; Performance evaluation

24/3,K/2 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

06786501 E.I. No: EIP04148093254
Title: Scanner-based Technique to Adjust LED Printbar Uniformity
Author: Mizes, Howard; Viassolo, Daniel
Corporate Source: Xerox Corp., Webster, NY, United States
Conference Title: Final Program and Proceedings of IS and T's NIP 19: International Conference on Digital Printing Technologies
Conference Location: New Orleans, LA, United States Conference Date: 20030928-20031003
E.I. Conference No.: 62517
Source: International Conference on Digital Printing Technologies 2003.
Publication Year: 2003
Language: English

Abstract: Electrophotographic **printers** using light emitting diode (LED) imagers may print images with streaks due to nonuniformity in...

...emitter structure variations. The response of the print engine to spot structure can cause a **printer** to have streaks even though the intensity profile is uniform. We describe a technique that monitors the print uniformity to adjust the LED elements. The **test pattern** consists of an arrangement of single pixel wide lines arranged in a way that minimizes the sensitivity to **printer** and measurement noise. Control theory methodology is used to adjust the LED exposures to achieve...
Descriptors: **Printers** (computer); Image **analysis** ; Photography; **Light**

emitting diodes; Image **sensors** ; Linear equations; Matrix algebra

24/3,K/3 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

06771535 E.I. No: EIP04138077220
Title: Preparation of Inks with Monodisperse Colloidal Silica and their Self-Assembly in a Ink-Jet Printed Droplet
Author: Ko, Hwa-Young; Shin, Hyunjung; Moon, Jooho
Corporate Source: Department of Ceramic Engineering Yonsei University, Seodaemun-gu, Seoul 120-749, South Korea
Conference Title: Unconventional Approaches to Nanostructures with Applications in Electronics, Photonics, Information Storage and Sensing
Conference Location: San Francisco, CA, United States Conference Date: 20030421-20030425
E.I. Conference No.: 62443
Source: Materials Research Society Symposium - Proceedings v 776 2003.
Publication Year: 2003
CODEN: MRSPDH ISSN: 0272-9172
Language: English

...Abstract: monodispersity of the synthesized colloidal particles were observed by scanning electron microscopy (SEM) and laser **light** scattering particle **analyzer** . Simple **test patterns** on various substrates (silicon wafer, Cu foil, and Mylar film) were printed with commercial HP **printer** . It was found that the uniformity and spatial extent of the self-assembled colloidal silica...

24/3,K/4 (Item 3 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

06756542 E.I. No: EIP04118060384
Title: Two-by-Two Centering Printer **Model with Yule-Nielsen Equation**
Author: Wang, Shen-Ge
Corporate Source: Digital Imaging Technology Center Xerox Corporation, Webster, NY, United States
Conference Title: IS and T's NIP14: International Conrefence on Digital Printing Technologies
Conference Location: Toronto, Ont., Canada Conference Date: 19981018-19981023
E.I. Conference No.: 62370
Source: International Conference on Digital Printing Technologies 1998.
Publication Year: 1998
Language: English

Title: Two-by-Two Centering Printer **Model with Yule-Nielsen Equation**
Abstract: A binary **printer** can generate only two solid colors, black and white. Any other gray levels between them...

...result of spatially averaging neighbor pixels. In the recently proposed 2 multiplied by 2 centering **printer** model, the conventional coordinates, which specify the location of all pixels, are redefined by shifting... ...distance in both the horizontal and the vertical directions. So, we claim that any binary **printer** can generate seven, instead of only two,

"solid" colors. Here, the word "solid" means that...

...macroscopically. The 2 multiplied by 2 centering modeling can interpret any output of a binary **printer** as a seven-level gray image with the same spatial resolution as the binary input...

...linear spatial averaging. Applications of this 2 multiplied by 2 centering model to halftone screen **design** and **calibration** are also presented. 3 Refs.

Descriptors: Printing; Image processing; Printing machinery; Optical resolving power; **Light** scattering; Ink; Error **analysis** ; Diffusion; **Light** reflection; Algorithms

Identifiers: Binary **printers** ; Yule-Nielsen equation

```
File 344:Chinese Patents Abs Aug 1985-2004/May
         (c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/May(Updated 040903)
         (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200458
         (c) 2004  Thomson Derwent

Set     Items   Description
S1      84229   ((INKJET?? OR INK()JET??)(5N)PRINTER??) OR PLOTTER??
S2       2667   (LINEFEED?? OR LINE()FEED?? OR ALIGN????)(5N)(ERROR?? OR C-
             ALIBRAT????)
S3       3393   (PAPER?? OR MEDIA?? OR PAGE?? OR SHEET???)(5N)(ERROR?? OR -
             CALIBRAT????)
S4      27249   BASE??(2N)(PATTERN??  OR MARK?? OR DESIGN?? OR LAYOUT?? OR
             LAY()OUT??)
S5       7085   (OVERLAY?? OR TOP OR ABOVE?? OR OVER()LAY??)(2N)(PATTERN??
             OR MARK?? OR DESIGN?? OR LAYOUT?? OR LAY()OUT??)
S6      27996   (INTERFERENCE?? OR CALIBRAT???? OR TEST?? OR ALIGNMENT?? OR
              MISALIGNMENT??)(2N)(PATTER??  OR MARK?? OR DESIGN?? OR LAYOU-
             T?? OR LAY()OUT??)
S7     153392   (SENS??? OR DETECT??? OR DETERMIN??? OR  ANALY???? OR MONI-
             TOR??)(4N)(LUMINANC??  OR LUMINESC?? OR LUMINOCI??? OR ILLUMI-
             NAT???? OR BRIGHT???? OR LIGHT???)
S8          5   AU=(KINAS E? OR KINAS, E?)
S9          4   S8 AND S1
S10       171   S1 AND (S2 OR S3)
S11        10   S10 AND S7
S12         8   S11 NOT AD=20001129:20040915/PR
S13       683   S1 AND (S4 OR S5 OR S6)
S14        21   S13 AND S7
S15        19   S14 NOT S11
S16        14   S15 NOT AD=20001129:20040915/PR
S17       204   (S2 OR S3) AND S7
S18        22   S17 AND PRINTER?
S19        12   S18 NOT (S15 OR S11)
S20      1616   (S4 OR S5 OR S6) AND S7
S21        73   S20 AND PRINTER?
S22        50   S21 AND S6
S23        32   S22 NOT (S15 OR S11)
S24        27   S23 NOT AD=20001129:20040915/PR
S25         0   S24 AND IC=(H41B? OR G06F?)
S26         1   S24 AND ERROR?
```

9/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014716097 **Image available**
WPI Acc No: 2002-536801/200257
XRPX Acc No: N02-425124
Linefeed calibration method in inkjet printer **, involves comparing luminance of interference pattern with base and overlying patterns with reference luminance to identify paper advancement error**
Patent Assignee: HEWLETT-PACKARD CO (HEWP); KINAS E (KINA-I)
Inventor: **KINAS E**
Number of Countries: 028 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020063871	A1	20020530	US 2000727330	A	20001129	200257	B
EP 1211084	A1	20020605	EP 2001309778	A	20011121	200257	
JP 2002210948	A	20020731	JP 2001362126	A	20011128	200265	

Priority Applications (No Type Date): US 2000727330 A 20001129
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020063871	A1		15	B41B-001/00	
EP 1211084	A1	E		B41J-019/78	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

JP 2002210948	A		12	B41J-002/01	

Linefeed calibration method in inkjet printer **, involves comparing luminance of interference pattern with base and overlying patterns with reference luminance to...**
Inventor: **KINAS E**

Abstract (Basic):
... For calibrating and correcting paper positioning error in **inkjet printer** .

9/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014714810 **Image available**
WPI Acc No: 2002-535514/200257
XRPX Acc No: N02-423907
Media handling system in single-sheet inkjet printer **, has media width sensor to sense width of media at predetermined transverse position to determine media type**
Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: KHORMAEI I; **KINAS E** ; WETCHLER D M
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6390703	B1	20020521	US 2000661840	A	20000914	200257	B

Priority Applications (No Type Date): US 2000661840 A 20000914
Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 6390703 B1 12 B41J-029/18

Media handling system in single-sheet inkjet printer , **has media width sensor to sense width of media at predetermined transverse position to determine...**

...Inventor: **KINAS E**

Abstract (Basic):
... For selected support of recorded media such as A4 sheet and cards, letter envelopes in **printer** , particularly single-sheet **inkjet printer** .
...

...The figure is an isometric view of the single-sheet **ink jet printer** .

9/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014082234 **Image available**
WPI Acc No: 2001-566448/200164
XRPX Acc No: N01-421764

High-speed color ink - jet printer , **requires chemical reaction between black ink and certain types of under-printed or overprinted inks, in order to accelerate the drying time of the black ink for increased printing speed**

Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: AHLVIN E L; **KINAS E** ; AHLVIN E
Number of Countries: 003 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 10105998	A1	20010816	DE 1005998	A	20010209	200164	B
GB 2359046	A	20010815	GB 20012011	A	20010125	200164	
US 6315392	B1	20011113	US 2000502189	A	20000210	200173	
GB 2359046	B	20030625	GB 20012011	A	20010125	200341	

Priority Applications (No Type Date): US 2000502189 A 20000210
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 10105998	A1		8	B41J-002/21	
GB 2359046	A			B41J-002/21	
US 6315392	B1			B41J-002/21	
GB 2359046	B			B41J-002/21	

High-speed color ink - jet printer , **requires chemical reaction between black ink and certain types of under-printed or overprinted inks**
...
...Inventor: **KINAS E**

Abstract (Basic):
... Color **ink - jet printers** .

9/3,K/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011446499 **Image available**
WPI Acc No: 1997-424406/199739
XRPX Acc No: N97-353564
Wiper assembly for ink jet printer **- with adjustable initialising reference position using lever to change reference travel position**
Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: **KINAS E**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5659341	A	19970819	US 94233861	A	19940426	199739	B

Priority Applications (No Type Date): US 94233861 A 19940426
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5659341	A		10		

Wiper assembly for ink jet printer **-**
Inventor: **KINAS E**

12/3,K/1 **(Item 1 from file: 347)**
DIALOG(R)File 347:JAPIO

05125114 **Image available**
PRODUCTION OF INK JET RECORDING HEAD

PUB. NO.: 08-080614 [JP 8080614 A]
PUBLISHED: March 26, 1996 (19960326)
INVENTOR(s): KUBOTA KOJI
APPLICANT(s): SHARP CORP [000504] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 06-216926 [JP 94216926]
FILED: September 12, 1994 (19940912)

...JAPIO KEYWORD: **Ink Jet Printers**); R139 (INFORMATION PROCESSING

ABSTRACT

PURPOSE: To machine a laminated piezoelectric ceramic **sheet** having an irregular pitch dimension **error** of inner electrodes in a short time at a low cost...

... is received by a CCD. A reference position and a pitch of inner electrodes are **detected** by the **light** receiving output. A machining pattern is corrected based on the detection signal. The surface of...

12/3,K/2 **(Item 2 from file: 347)**
DIALOG(R)File 347:JAPIO

01462773 **Image available**
PRINTER

PUB. NO.: 59-174373 [JP 59174373 A]
PUBLISHED: October 02, 1984 (19841002)
INVENTOR(s): IWATANI TOSHIO
SASAKI TAKASHI
SHIRAFUJI MASAYOSHI
OIKAWA MORIO
ITO GENJI
SASAKI YUKIMOTO
SEGAWA YOSHIMI
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)
SHINKO SEISAKUSHO KK [401710] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 58-048522 [JP 8348522]
FILED: March 23, 1983 (19830323)
JOURNAL: Section: M, Section No. 356, Vol. 09, No. 29, Pg. 125, February 07, 1985 (19850207)
...JAPIO KEYWORD: **Ink Jet Printers**)

ABSTRACT

... When the arrival of a paper at a specific position before a printing position is **detected** by a **light** receiving element 38, an and gate A1 is opened and a timer begins to start...

... gate A2, the disorder of the printing position is detected, and the

display of print **error** and the stoppage of **paper** -feeding motor are made. The occurrence of defective print can thus be prevented.

12/3,K/3 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014891100 **Image available**
WPI Acc No: 2002-711806/200277
Related WPI Acc No: 2000-655938
XRPX Acc No: N02-561378
Carriage movement monitoring mechanism for serial printer, has optical sensor that is located in closed space defined between base and rotating mechanism of carriage drive unit
Patent Assignee: SEIKO EPSON CORP (SHIH)
Inventor: OMURA K
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6447189	B1	20020910	WO 2000JP52	A	20000106	200277	B
			US 2000611547	A	20000707		

Priority Applications (No Type Date): US 2000611547 A 20000707; WO 2000JP52 A 20000106
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6447189	B1		17	B41J-029/18	CIP of application WO 2000JP52

Abstract (Basic):
... single cut sheets of personal check sheets. Also for carriage feed mechanism of thermal or **inkjet printer** . Also for monitoring operation of paper feed roller in paper feed mechanism. Also for monitoring...

...ribbon feed mechanism of tape printer. Also for monitoring operation of carriage in X-Y **plotter** .
...

...of the rotating mechanism, the high reliability detection mechanism is capable of reliably blocking the **detector** from stray **light** and interfering substances such as **paper** , powder, etc., thereby avoiding detection **errors** without need for additional protection components, which in turn results in reduction of installation space

12/3,K/4 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014714719 **Image available**
WPI Acc No: 2002-535423/200257
Related WPI Acc No: 2002-665612
XRPX Acc No: N02-423823
Optical sensor operating method in printer, involves illuminating print zone of print sheet **during** calibration **operation to provide status information to user**
Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: GOMPERTZ R S

Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6378977	B1	20020430	US 2000608910	A	20000630	200257	B

Priority Applications (No Type Date): US 2000608910 A 20000630
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6378977	B1		8	B41J-029/393	

Optical sensor operating method in printer, involves illuminating print zone of print sheet **during** calibration **operation to provide status information to user**

Abstract (Basic):
... An optical **sensor** (40') having a **light** emitting diode (60), is controlled during calibration operation, to illuminate a print zone of a...
... In printer, **plotters** , copiers, scanners and facsimile...

12/3,K/5 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012840261 **Image available**
WPI Acc No: 2000-012093/200001
Related WPI Acc No: 1993-095439; 1994-334491; 1998-582825; 1999-214248; 1999-326474; 2001-158394
XRPX Acc No: N00-009326
Calibration test pattern sensor for color markings formed by inkjet printer / plotter
Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: BEAUCHAMP R W; MARTOS I R; TARRADAS J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5975674	A	19991102	US 90504437	A	19900404	200001	B
			US 91763889	A	19910920		
			US 9355624	A	19930430		
			US 93153712	A	19931116		
			US 95540908	A	19951011		
			US 95551022	A	19951031		

Priority Applications (No Type Date): US 95551022 A 19951031; US 90504437 A 19900404; US 91763889 A 19910920; US 9355624 A 19930430; US 93153712 A 19931116; US 95540908 A 19951011
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5975674	A		33	B41J-029/393	CIP of application US 90504437 Div ex application US 91763889 Cont of application US 9355624 CIP of application US 93153712 CIP of application US 95540908 Div ex patent US 5262797 CIP of patent US 5600350

Calibration test pattern sensor for color markings formed by inkjet printer / plotter

Abstract (Basic):
... An optical **sensor** , transmits **light** to sample color markings on media and measures the change in intensity of reflected **light** as the **sensor** passes crosswise over different locations on sample lines or sample bars, perpendicularly. The **sensor** has a **light** tube, through which light is transmitted to the color markings.
... for sensing the quality of the color marking, while the media remains in the printer/ **plotter** . A separate test pattern of each print head is used for **alignment** **calibration** between print heads of different color inks. An INDEPENDENT CLAIM is also included for the...

...monitoring and controlling the quality of sample color markings, on plotting media, formed by printer/ **plotter** for high resolution color graphics and images on very large poster size print outs...

12/3,K/6 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012408140 **Image available**
WPI Acc No: 1999-214248/199918
Related WPI Acc No: 1993-095439; 1994-334491; 1998-582825; 1999-326474; 2000-012093; 2001-158394
XRPX Acc No: N99-157652
Carriage mounted optical sensor for ink jet printer
Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: BEAUCHAMP R W
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5883646	A	19990316	US 9355624	A	19930430	199918 B
			US 95540908	A	19951011	
			US 95551297	A	19951031	

Priority Applications (No Type Date): US 95551297 A 19951031; US 9355624 A 19930430; US 95540908 A 19951011
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5883646	A		17	B41J-029/393	Cont of application US 9355624 CIP of application US 95540908 CIP of patent US 5600350

Carriage mounted optical sensor for ink jet printer

Abstract (Basic):
... coplanar end junction to electrically interconnect and support light source and a photocell of optical **sensor** that receives reflected **light** from print zone.
... coplanar junction at one end. Light source emits two different color beams for use in **alignment** **calibration** of print heads. Protective casing is self attached to datum-like surfaces on the carriage...

...INDEPENDENT CLAIM is included for the method for modular assembling of optical sensor elements for **ink** **jet** **printer** .
...

...For **ink jet printer , plotter** especially printing high resolution color graphics on large poster-size printout

12/3,K/7 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009785269 **Image available**
WPI Acc No: 1994-065122/199408
XRPX Acc No: N94-051039
Media position alignment system for e.g electrostatic printer - corrects media alignment errors **in multi-pass** media **transporter by sensing two-dimensional position of media from track on media using photodiode sensor**
Patent Assignee: CALCOMP INC (CALC-N)
Inventor: MCCONNELL S K
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5289262	A	19940222	US 92848535	A	19920309	199408	B

Priority Applications (No Type Date): US 92848535 A 19920309
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5289262	A		7	G01B-011/14	

... **corrects** media alignment errors **in multi-pass** media **transporter by sensing two-dimensional position of media from track on media using photodiode sensor**

...Abstract (Basic): the position of the media relative to reference positions in a media transporter includes a **light sensor** having a **light** -sensitive surface facing one face of the media in at least approximate registration with the...

...the path of the track. Signal detection and logic appts converts the signals of the **light sensor** to a pair of Cartesian coordinate positions of the media...

...position of media relative to desired positions in media transporter in electrophotographic, thermal and pen **plotters** . Corrects **media alignment errors** , and improves signal-to-noise ratio even with transparent media...

12/3,K/8 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009495096 **Image available**
WPI Acc No: 1993-188632/199323
XRPX Acc No: N93-144836
Optical density tracking sensor for aligning media - aligns media correctly using recorded patterns of spatial densities signifying density fluctuations in media
Patent Assignee: CALCOMP INC (CALC-N)

Inventor: MCCONNELL S K
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5216258	A	19930601	US 92848543	A	19920309	199323	B

Priority Applications (No Type Date): US 92848543 A 19920309
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5216258	A		7	G01N-021/86	

...Abstract (Basic): The spatial pattern of densities in the media is **sensed** by shining a **light** through the media and **sensing** the transmitted **light** intensity...
...USE/ADVANTAGE - Electrostatic, electrophotographic, thermal and pen printers and **plotters** . Corrects **media alignment errors** by recognising spatial patterns of random media density fluctuations...

16/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

06039455 **Image available**
IMAGE FORMING DEVICE

PUB. NO.: 10-322555 [JP 10322555 A]
PUBLISHED: December 04, 1998 (19981204)
INVENTOR(s): TSUJI KATSUHISA
APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 09-147154 [JP 97147154]
FILED: May 20, 1997 (19970520)

...JAPIO KEYWORD: **Ink Jet Printers**); R107 (INFORMATION PROCESSING

ABSTRACT

... illumination lamp in the direction of -45 deg., and the diffused and reflected optical component **detects** its **light** intensity through a **sensor** 1 by passing the reflected optical component almost in the direction of 0 deg. through...

... the resolution of about 400 dpi at the time of nonmagnified reading. A sensor 2 **detects** the intensity of reflected **light** in the direction of 45 deg. including the regularly reflected optical component. Since the purpose of this sensor is to read a **test pattern** in a certain size (area), the high resolution like the sensor 1 is not required...

... enlarged or reduced) reading is not required, either. The size of patch consisting of the **test pattern** is 1 pixel/mm=25 dpi enough in the case of 5 mm X 5...

16/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO

05859763 **Image available**
IMAGE FORMING DEVICE

PUB. NO.: 10-142863 [JP 10142863 A]
PUBLISHED: May 29, 1998 (19980529)
INVENTOR(s): MAKITA SEIGO
HOTTA HIROYUKI
SAKAI YOSHIHIKO
APPLICANT(s): FUJI XEROX CO LTD [359761] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 08-303199 [JP 96303199]
FILED: November 14, 1996 (19961114)

...JAPIO KEYWORD: **Ink Jet Printers**)

ABSTRACT

... To reduce an error caused by random noise and to accurately read a high-density **test pattern** by a comparatively inexpensive **detecting** device by reading reflected **light** more times on the part of the **test pattern** where reflectance is low than the part thereof where the

reflectance is high...
...SOLUTION: The **test pattern** is constituted of patches having density in three stages such as highlight (low density), mid...

... is low is formed longer than that of the patch having other density. Such a **test pattern** is formed at the time of first energizing every morning and the calibration of an...

16/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO

03762952 **Image available**
INK JET RECORDING DEVICE

PUB. NO.: 04-128052 [JP 4128052 A]
PUBLISHED: April 28, 1992 (19920428)
INVENTOR(s): FUKUSHIMA HISASHI
SUZUKI AKIO
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 02-247405 [JP 90247405]
FILED: September 19, 1990 (19900919)
JOURNAL: Section: M, Section No. 1297, Vol. 16, No. 388, Pg. 94, August 18, 1992 (19920818)

...JAPIO KEYWORD: **Ink Jet Printers**); R131 (INFORMATION PROCESSING

ABSTRACT
...accurately and a noise in the image is eliminated by reading the density of a **test pattern** formed by a recording head, then correcting density variations based on the readout results and...
... many discharge nozzles. Then test printing is performed prior to image recording and a prepared **test pattern** 17 is deposited on a copy stand 21. An image is focused on a photo- **sensor** by an **illumination** system 20. Information which is thus read allows a head correction part 211 to measure ...

16/3,K/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO

03673945 **Image available**
IMAGE FORMING DEVICE

PUB. NO.: 04-039045 [JP 4039045 A]
PUBLISHED: February 10, 1992 (19920210)
INVENTOR(s): TAKAHASHI YOSHIHIKO
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 02-146187 [JP 90146187]
FILED: June 06, 1990 (19900606)
JOURNAL: Section: M, Section No. 1251, Vol. 16, No. 214, Pg. 94, May 20, 1992 (19920520)

...JAPIO KEYWORD: **Ink Jet Printers**); R131 (INFORMATION PROCESSING

ABSTRACT

...CONSTITUTION: A light receiving element 232 provided in a reading **sensor** 217 and a **light** source 218 consisting of a lamp 233 and a filter 220 are held in cases...

...the cases. On the other hand, just before a reading unit 214 moved to a **test pattern** position reads irregularities, the shutters 245b, 246b are opened by a shutter opening/ closing part...

16/3,K/5 (Item 5 from file: 347)

DIALOG(R)File 347:JAPIO

03663456 **Image available**

IMAGE FORMATION DEVICE AND IMAGE READING DEVICE

PUB. NO.: 04-028556 [JP 4028556 A]
PUBLISHED: January 31, 1992 (19920131)
INVENTOR(s): SUZUKI AKIO
TAKADA YOSHIHIRO
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 02-134100 [JP 90134100]
FILED: May 25, 1990 (19900525)
JOURNAL: Section: M, Section No. 1246, Vol. 16, No. 195, Pg. 57, May 12, 1992 (19920512)

...JAPIO KEYWORD: **Ink Jet Printers**)

ABSTRACT

... light source which emits light to the surface of a medium for recording and a **sensor** which receives the reflected **light** . A density variation correction device 1020 corrects the drive parameters of a recording head during a recording process in accordance with a density variation which is read from a **test pattern** . A color correction device 1017 which corrects the color properly to a color signal which...

...perform different color correction processing depending upon the routine copy image reading mode or a **test pattern** reading mode.

16/3,K/6 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO

03663454 **Image available**

VARIATION CORRECTION DATA PREPARATION DEVICE AND IMAGE FORMATION DEVICE

PUB. NO.: 04-028554 [JP 4028554 A]
PUBLISHED: January 31, 1992 (19920131)
INVENTOR(s): SUZUKI AKIO
IZUMISAKI MASAMI
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 02-134098 [JP 90134098]
FILED: May 25, 1990 (19900525)
JOURNAL: Section: M, Section No. 1246, Vol. 16, No. 195, Pg. 56, May 12, 1992 (19920512)

...JAPIO KEYWORD: **Ink Jet Printers**); R131 (INFORMATION PROCESSING

ABSTRACT

... the detection of the end recording element in accordance with a print duty for a **test pattern** .

...

... data recorded by a recording head 1001, a density variation reading device 1014 reads a **test pattern** formed on a medium for recording 1002 by a recording head 1001 and detects a...

... device 1014 consists of a light source which emits light to the medium surface, a **sensor** which receives the reflected **light** , a match ratio device 1101A which has an appropriate conversion circuit, then allows a density...

... device 1101B which changes the threshold value in conformity with the print duty of a **test pattern** .

16/3,K/7 (Item 7 from file: 347)

DIALOG(R)File 347:JAPIO

03663453 **Image available**

IMAGE FORMATION DEVICE

PUB. NO.: 04-028553 [JP 4028553 A]
PUBLISHED: January 31, 1992 (19920131)
INVENTOR(s): SUZUKI AKIO
DANZUKA TOSHIMITSU
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 02-134097 [JP 90134097]
FILED: May 25, 1990 (19900525)
JOURNAL: Section: M, Section No. 1246, Vol. 16, No. 195, Pg. 56, May 12, 1992 (19920512)

...JAPIO KEYWORD: **Ink Jet Printers**)

ABSTRACT

... recording and recording parameters are changed by making variable a collimation value when the density **pattern** of a **test pattern** is read depending on a recording medium...
... a recording head 1001, a density variation reading device 1014 is provided which reads a **test pattern** formed on a media for recording 1002 by the recording head 1001. The density variation...

... consists of a light source 1062 which irradiates the surface of the medium with a **light** , a **sensor** 1073 which receives the reflected light, a collimation device 1077 which makes the collimated value...

... parameters for the recording head based on a density variation which is read from the **test pattern** . A collimated value setting device 1101 makes variable the collimated value set by the collimation device 1077 depending upon the type of the medium for recording in which a **test pattern** is recorded and recording parameters. Thus it is possible to read

or correct density variation...

16/3,K/8 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014011632 **Image available**
WPI Acc No: 2001-495846/200154
XRPX Acc No: N01-367381
Cover for alignment sensor in inkjet printer , **opens when alignment sensor is operable to sense the predetermined** alignment pattern **and closed otherwise to protect the sensor, based on movement of carriage**
Patent Assignee: CANON KK (CANO)
Inventor: KANEKO M; TAKEMURA M
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6250735	B1	20010626	US 9819309	A	19980205	200154	B

Priority Applications (No Type Date): US 9819309 A 19980205
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6250735	B1		10	B41J-002/01	

Cover for alignment sensor in inkjet printer , **opens when alignment sensor is operable to sense the predetermined** alignment pattern **and closed otherwise to protect the sensor, based on movement of carriage**

Abstract (Basic):
... of carriage. The cover is opened when alignment sensor is operable to sense the predetermined **alignment pattern** and closed otherwise to protect the sensor.
... For covering alignment sensor in **inkjet printer** with multiple heads...

...Ink mist formed during printing operations is not deposited on the **light** receiving face of alignment **sensor** due to the presence of cover and so accurate alignment is insured at low cost...

16/3,K/9 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013698315 **Image available**
WPI Acc No: 2001-182539/200118
XRPX Acc No: N01-130349
Inkjet nozzle fault detection apparatus for inkjet printer , **generates fault signal when light reflected from test image which is printed on print medium is not detected when optical sensor is adjacent to test image**
Patent Assignee: LEXMARK INT INC (LEXM-N)
Inventor: AHNE A J; OWENS B K
Number of Countries: 092 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200102184	A1	20010111	WO 2000US7660	A	20000323	200118	B

AU 200037696 A 20010122 AU 200037696 A 20000323 200125
US 6637853 B1 20031028 US 99345368 A 19990701 200372

Priority Applications (No Type Date): US 99345368 A 19990701
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
WO 200102184 A1 E 23 B41J-029/393
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW
AU 200037696 A B41J-029/393 Based on patent WO 200102184
US 6637853 B1 B41J-002/165

Inkjet nozzle fault detection apparatus for inkjet printer , **generates fault signal when light reflected from test image which is printed on print medium...**

Abstract (Basic):
... test images move sequentially towards fixed optical sensor (16). The processor generates fault signal, when **sensor** output indicates that **light** reflected from test image is not detected while the sensor is adjacent to test image.
... the printing of test images. A fixed optical sensor (16) positioned adjacent the print medium **detects light** reflected from the medium and generates a signal indicating that **detected** reflected **light** is from test images or indicating that light is reflected from non-printed areas. An...

...In **inkjet printers** to detect faulty nozzles...

...The **test pattern** is **tested** automatically by optical sensor, user need not visually inspect printed sample to detect faulty nozzles...

...The figure shows a block diagram of device to detect faulty nozzles in **inkjet printer** .

16/3,K/10 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012829245 **Image available**
WPI Acc No: 2000-001077/200001
XRPX Acc No: N00-000992
Misalignment between two printed alignment patterns **determining method e.g. for** ink jet printers
Patent Assignee: CANON KK (CANO)
Inventor: HIRABAYASHI H; NOYES S; YAMADA A
Number of Countries: 027 Number of Patents: 004
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
EP 955177 A2 19991110 EP 99303400 A 19990430 200001 B
JP 11342600 A 19991214 JP 99126372 A 19990506 200009
US 6297888 B1 20011002 US 9871111 A 19980504 200160

lightest printed density region even in presence of noise on alignment sensor output...

...The figure shows a view for explaining printout of **alignment patterns** according to an embodiment of the invention

16/3,K/11 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012282210 **Image available**
WPI Acc No: 1999-088316/199908
XRPX Acc No: N99-064697
Image data analyser for electrophotographic digital colour copier, facsimile - adjusts image data processing conditions based on analysed image data and test pattern **of read image data of original document**
Patent Assignee: RICOH KK (RICO)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10322555	A	19981204	JP 97147154	A	19970520	199908	B

Priority Applications (No Type Date): JP 97147154 A 19970520
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10322555	A		30	H04N-001/407	

... **adjusts image data processing conditions based on analysed image data and** test pattern **of read image data of original document**

...Abstract (Basic): The **analyser** has an **illumination** unit which illuminates an original document image. An image reading unit has several **detectors** which **detect** the **light** reflected from the original document. A memory stores the read image data. A generation unit generates a predetermined **test pattern** data...

...visualisation image on a recording medium based on the read image data and the predetermined **test pattern** data. An analysing unit analyses the stored image data. Based on the analysis result and the **test pattern** of the read image data, the image processing conditions are adjusted by an adjustment unit...

...USE - For **inkjet printer** , thermal **printer** , laser **printer** .

16/3,K/12 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011767736 **Image available**
WPI Acc No: 1998-184646/199817
XRPX Acc No: N98-146490
Fluorescent pattern detector of mail processing apparatus - has camera that detects light **from fluorescent** pattern **of object**, based **on which fluorescent pattern is recognized**
Patent Assignee: TOSHIBA KK (TOKE)

Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10040330	A	19980213	JP 96190667	A	19960719	199817	B

Priority Applications (No Type Date): JP 96190667 A 19960719
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10040330	A		5	G06K-007/10	

... **has camera that** detects light **from fluorescent** pattern **of object,** based **on which fluorescent pattern is recognized**

...Abstract (Basic): The **detector** has a **light** emitting ultraviolet lamp (4) that radiates excitation light of the first appropriate excitation wavelength (L1...

...A camera (6) **detects** the **light** from the fluorescent pattern. A recognition unit (7) recognizes the fluorescent pattern of the object ...

...ADVANTAGE - Enables efficient detection of fluorescent pattern printed by printing units such as **inkjet printer** .

16/3,K/13 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011349985 **Image available**
WPI Acc No: 1997-327891/199730
XRPX Acc No: N97-271902
Ink jet **recorder of thermal** printer **used in facsimile - calculates average of sampled output level of reflected light from recording paper, based on which current amount supplied to light emitting unit is controlled**
Patent Assignee: RICOH KK (RICO)
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 9131894	A	19970520	JP 95292316	A	19951110	199730	B
JP 3537564	B2	20040614	JP 95292316	A	19951110	200439	

Priority Applications (No Type Date): JP 95292316 A 19951110
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9131894	A		8	B41J-002/175	
JP 3537564	B2		8	B41J-002/175	Previous Publ. patent JP 9131894

Ink jet **recorder of thermal** printer **used in facsimile**...

...Abstract (Basic): The appts (A) is connected with an ink density **detector** (5), which has a **light** emitting unit (11a). The light from the light emitting unit is irradiated on a recording paper, in which an ink end **mark** is printed. **Based** on the reflected beam received by a light receiver (11b), the mounting state of an...

16/3,K/14 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX

010066776 **Image available**
WPI Acc No: 1994-334488/199442
XRPX Acc No: N94-262680
Media axis image registration system for multi-colour ink - jet printer , plotter **- has carriage assembly to retain multiple ink jet cartridges or pens with nozzles for ink activated by electrical signal and position encoder**
Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: BEAUCHAMP R W; COBBS K E; SORENSON P R
Number of Countries: 005 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 622236	A2	19941102	EP 94106209	A	19940421	199442	B
EP 622236	A3	19950830	EP 94106209	A	19940421	199614	
EP 622236	B1	19980826	EP 94106209	A	19940421	199838	
DE 69412689	E	19981001	DE 612689	A	19940421	199845	
			EP 94106209	A	19940421		
ES 2119926	T3	19981016	EP 94106209	A	19940421	199849	

Priority Applications (No Type Date): US 9355621 A 19930430
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 622236	A2	E	24	B41J-025/34	
Designated States (Regional): DE ES FR GB IT					
EP 622236	B1	E		B41J-025/34	
Designated States (Regional): DE ES FR GB IT					
DE 69412689	E			B41J-025/34	Based on patent EP 622236
ES 2119926	T3			B41J-025/34	Based on patent EP 622236
EP 622236	A3			B41J-025/34	

Media axis image registration system for multi-colour ink - jet printer , plotter -

...Abstract (Basic): to eject ink onto the media and create an image in the form of a **test pattern** (40) in response to the timing signals...

...signals are sampled in accordance with position encoder signals to provide correct timing signals. The **test pattern** is illuminated by a **light** source (232) in the **sensor** module. The **light** source has spectral energy in the colour bands of interest. By detecting the position of the **pattern** , the **misalignment** of a particular pen can be corrected...
...ADVANTAGE - By detecting position of **pattern** , **misalignment** of pen may be corrected...

19/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

07342457 **Image available**
METHOD FOR **CALIBRATING LINE FEED** IN **PRINTER**

PUB. NO.: 2002-210948 [JP 2002210948 A]
PUBLISHED: July 31, 2002 (20020731)
INVENTOR(s): KINAS ERICK
APPLICANT(s): HEWLETT PACKARD CO (HP)
APPL. NO.: 2001-362126 [JP 2001362126]
FILED: November 28, 2001 (20011128)
PRIORITY: 00 727330 [US 2000727330], US (United States of America), November 29, 2000 (20001129)

METHOD FOR **CALIBRATING LINE FEED** IN **PRINTER**

ABSTRACT

... to form an interference pattern having a luminance expressing a pattern alignment, a step of **detecting** the **luminance** of the interference pattern by a sensor 42, and a step of comparing the luminance of the interference pattern with a reference luminance and identifying a **paper** advancement **error** .

19/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO

04500742 **Image available**
PAPER FEEDER FOR **PRINTER**

PUB. NO.: 06-144642 [JP 6144642 A]
PUBLISHED: May 24, 1994 (19940524)
INVENTOR(s): IMAI AKIRA
APPLICANT(s): FUJI PHOTO FILM CO LTD [000520] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 04-298995 [JP 92298995]
FILED: November 09, 1992 (19921109)
JOURNAL: Section: M, Section No. 1663, Vol. 18, No. 459, Pg. 121, August 26, 1994 (19940826)

PAPER FEEDER FOR **PRINTER**

ABSTRACT

PURPOSE: To reduce the number of sensors to be used by providing a **light** projecting-receiving type **sensor** in the vicinity of the takeout port of a sheet tray, and detecting the existence of **sheets** and **sheet** feeding **errors** by the output of the sensor at the operated and non-operated time of a...

19/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO

04040327 **Image available**
OPERATIONAL **ERROR** PREVENTION DEVICE OF **SHEET** DETECTION SENSOR

PUB. NO.: 05-032027 [JP 5032027 A]
PUBLISHED: February 09, 1993 (19930209)
INVENTOR(s): FUJIKI YOSHIAKI
APPLICANT(s): PFU LTD [366680] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-216060 [JP 91216060]
FILED: August 01, 1991 (19910801)
JOURNAL: Section: M, Section No. 1430, Vol. 17, No. 316, Pg. 88, June 16, 1993 (19930616)

OPERATIONAL **ERROR** PREVENTION DEVICE OF **SHEET** DETECTION SENSOR

ABSTRACT
PURPOSE: To prevent an operating error from occurring due to a disturbance **light** in a sheet **detection sensor** used for a **printer** .

19/3,K/4 (Item 1 from file: 350)

016156685 **Image available**
WPI Acc No: 2004-314572/200429
XRPX Acc No: N04-250569
Electrophotographic printer **for forming images onto paper, overhead projector paper, has OHP paper detector arranged in between feed roller and printing unit**
Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU)
Inventor: JANG H G; JANG H
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20040057764	A1	20040325	US 2003393987	A	20030324	200429	B
KR 2004026368	A	20040331	KR 200257809	A	20020924	200446	

Priority Applications (No Type Date): KR 200257809 A 20020924
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040057764	A1		10	G03G-015/00	
KR 2004026368	A			G03G-015/00	

Electrophotographic printer **for forming images onto paper, overhead projector paper, has OHP paper detector arranged in between...**

Abstract (Basic):
... is comprised by a light emitting unit (151) and a light receiving unit (152). The **light** receiving unit **detects** the intensity of the **light** that has been transmitted through the recording medium to determine whether the recording medium is...
... Single color/multicolor electrophotographic **printer** for forming images onto paper, overhead projector (OHP) paper, etc...

...Prevents **error** from occurring during OHP **paper** detection without increasing production cost even if multiple paper feeders are installed

while enabling stable...

...The figure shows a perspective view of the specific portion of the color **printer** .

19/3,K/5 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015594428 **Image available**
WPI Acc No: 2003-656583/200362
XRPX Acc No: N03-523009
Media manipulation apparatus for printing system has specular sensor to determine media type based on ratio of detected light **intensities measured by** light sensors **when housing sled is in contact with media**
Patent Assignee: LEXMARK INT INC (LEXM-N)
Inventor: MAYO R D; SMITH H A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6586759	B1	20030701	US 2001898337	A	20010703	200362	B

Priority Applications (No Type Date): US 2001898337 A 20010703
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6586759	B1		11	G01N-021/86	

... **apparatus for printing system has specular sensor to determine media type based on ratio of** detected light **intensities measured by** light sensors **when housing sled is in contact with media**

Abstract (Basic):
... The apparatus has a torsional spring (40) for forcing a housing sled (60) having two **light sensors** into contact with a media, and a media type determining unit has a specular sensor. The determining unit identifies the media type based on a ratio of **detected light** intensities measured by the **light sensors** while the housing sled is in contact with the media.
... Used for detecting the media type of a media in printing systems e.g. photocopiers, **printers** and media handlers...

...problem associated with the tilting of media relative to the light source, marring of the **media** by the housing sled and **errors** in **media** detecting ratio determinations...

19/3,K/6 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014297045 **Image available**
WPI Acc No: 2002-117748/200216
XRPX Acc No: N02-088079
Multifeeding detector for paper feeder in printer , **copier, measures light permeation through** paper **conveyed, to check for conveyance** error **using preset normal range**

Patent Assignee: PFU KK (USAE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001294344	A	20011023	JP 2000107429	A	20000410	200216	B

Priority Applications (No Type Date): JP 2000107429 A 20000410
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001294344	A		16	B65H-007/14	

Multifeeding detector for paper feeder in printer , **copier, measures light permeation through** paper **conveyed, to check for conveyance** error **using preset normal range**

Abstract (Basic):

... A setting unit is provided to set normal range of **light** permeation quantity to be **detected** by an optical sensor (10), during normal paper conveyance. During actual conveyance, the **sensor senses** the quantity of **light** passing through the **paper** and checks for conveyance **error** , using the preset normal range.

... For paper feeder (claimed) used in copier, **printer** , scanner, etc...

19/3,K/7 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

013637988 **Image available**
WPI Acc No: 2001-122196/200113
XRPX Acc No: N01-089671

Optical scanning system for printer , **controls the optical scanning unit to scan image information using page synchronization signal generated, when the count value reaches a specific target**

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU)
Inventor: LEE B R; LEE B
Number of Countries: 002 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6166749	A	20001226	US 99455519	A	19991207	200113	B
KR 2000038462	A	20000705	KR 9853475	A	19981207	200116	
KR 327236	B	20020509	KR 9853475	A	19981207	200272	

Priority Applications (No Type Date): KR 9853475 A 19981207
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6166749	A		10	B41J-002/385	
KR 2000038462	A			G03G-015/04	
KR 327236	B			G03G-015/04	Previous Publ. patent KR 2000038462

Optical scanning system for printer , **controls the optical scanning unit to scan image information using page synchronization signal generated, when...**

Abstract (Basic):

... parallel onto a circulating photoreceptor belt (111). A number of photodetectors (125,135,145,155) **detect light** emitted from each scanning unit and output pulse signals according to the detection. A sensor...

...In **printers** .
...

...Reduces occurrence of an **error** in generation of **page** synchronization signals for adjusting a scanning timing of each optical scanning unit, to reduce an...

...The figure shows optical scanning system of a **printer** .

19/3,K/8 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010816305 **Image available**
WPI Acc No: 1996-313258/199632
XRPX Acc No: N96-263427
Image forming control appts e.g. for electrophotographic copier, laser beam printer **- has control part which disables error release operation when number of error detection time exceeds predetermined value**
Patent Assignee: KONICA CORP (KONS)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 8137338	A	19960531	JP 94276662	A	19941110	199632	B

Priority Applications (No Type Date): JP 94276662 A 19941110
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8137338	A		9	G03G-021/00	

Image forming control appts e.g. for electrophotographic copier, laser beam printer **-**

...Abstract (Basic): image is developed by a development part. The developed image is transferred onto a recording **paper** by a transfer part. An **error** detector detects any error occurred during image formation. Based on the detection signal from the...

...A CPU (501) which forms the control part, interrupts the load using the error **detection** signal. When a **light** error is generated, switching ON and OFF the power supply resumes the normal operation. The...

19/3,K/9 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010590305 **Image available**
WPI Acc No: 1996-087258/199609
XRPX Acc No: N96-073197
Vehicle headlights lights **pattern** sensing **appts - uses comparator which receives digital data and compares pattern and intensity of reflected light beam to known standard and** error **message with instruction of proper** alignment **if headlight alignment is not proper**
Patent Assignee: HOPKINS MFG CORP (HOPK-N)

Inventor: HOPKINS E L
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5485265	A	19960116	US 94300283	A	19940902	199609	B

Priority Applications (No Type Date): US 94300283 A 19940902
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5485265	A		12	G01J-001/00	

Vehicle headlights lights **pattern** sensing **appts**...
...**digital data and compares pattern and intensity of reflected light beam to known standard and** error **message with instruction of proper** alignment **if headlight alignment is not proper**

...Abstract (Basic): The appts includes a device for **sensing** the **light** pattern and intensity of a light beam projected from a vehicle headlight. A comparator is coupled with the **sensing** device for comparing the **light** pattern and intensity of the light beam to a known headlight aiming standard. The comparator...

...A **printer** expansion module is provided for coupling the comparator to a **printer** . A serial communication module is used for coupling the comparator to a computer device. A...

19/3,K/10 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009865037 **Image available**
WPI Acc No: 1994-144899/199418
XRPX Acc No: N94-114166
Electrophotographic colour printer **for semi-transparent imaging surface - positionally tracks photoconductive belt and adjusts imager in** printer **to correct for** alignment errors **when forming composite image**
Patent Assignee: XEROX CORP (XERO)
Inventor: FOLKINS J J; HAMMOND T J; HART S C; HUBBLE F F; MARTIN J P
Number of Countries: 003 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
CA 2089218	A	19940218	CA 2089218	A	19930407	199418	B
US 5394223	A	19950228	US 92930642	A	19920817	199514	
CA 2089218	C	19991116	CA 2089218	A	19930407	200014	
JP 3254303	B2	20020204	JP 93161150	A	19930630	200211	

Priority Applications (No Type Date): US 92930642 A 19920817
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2089218	A		23	G03G-015/04	
US 5394223	A		11	G03G-005/00	
CA 2089218	C	E		G03G-015/22	
JP 3254303	B2		9	G03G-015/01	Previous Publ. patent JP 6135061

Electrophotographic colour printer **for semi-transparent imaging surface** ...

...**positionally tracks photoconductive belt and adjusts imager in** printer **to correct for** alignment errors **when forming composite image**

...Abstract (Basic): The electrophotographic **printer** has a semi-transparent photoconductive imaging surface mounted for movement in a set reference direction...

...Abstract (Equivalent): imageable surface, the second image processing station illuminating the developed target image to form an **illuminated** image, device for **sensing** an intensity of the **illuminated** image to indicate deviations of the imageable surface from the preselected path and device, responsive...

...moving photoconductive belt and adjusting an imager in an electrophotographic printing machine to correct for **alignment errors** when forming a composite image...

19/3,K/11 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009473225
WPI Acc No: 1993-166766/199320
XRPX Acc No: N93-127729
Printer **providing minimal scan errors - with light reflector coupled to roller and** light **emitter-** sensor **providing beam projection**
Patent Assignee: APPLE COMPUTER INC (APPY)
Inventor: BLISS A L
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5209589	A	19930511	US 91782674	A	19911025	199320	B

Priority Applications (No Type Date): US 91782674 A 19911025
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5209589	A		15	B41J-019/92	

Printer **providing minimal scan errors...**

...**with light reflector coupled to roller and** light **emitter-** sensor **providing beam projection**

...Abstract (Basic): The **printer** assembly includes a printhead which moves in a first direction for printing on a sheet...

...second perpendicular direction. A drive rotates the roller, with arrangement for determining certain pre-established **errors** in the positioning of the **sheet** of paper by the roller...

...A light reflector is coupled to the roller, **light** emitting and **sensing** units projecting a beam of light onto the **light** reflector and **sensing** the **light** reflected back from the beam while the roller is rotating for measuring the radii of...

...determine the pre-established errors. Data corresponding to the pre-established errors measured by the **light** emitting and **sensing** unit is stored...

...ADVANTAGE - For minimising the scan errors in a **printer** assembly by anticipating and storing certain scan areas of the **printer** assembly ...

19/3,K/12 (Item 9 from file: 350)

004236648
WPI Acc No: 1985-063527/198511
XRPX Acc No: N85-047600

Line printer paper feed mechanism position control - has up-down position counter and uses displacement counter independent of microprocessor for counting and holding correction count

Patent Assignee: IBM CORP (IBMC)
Inventor: BLOOM R D; BURKE E J; KOZOL E T
Number of Countries: 009 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 134017	A	19850313	EP 84109397	A	19840808	198511	B
BR 8403980	A	19850709				198534	
US 4591969	A	19860527	US 83522144	A	19830811	198624	
CA 1221933	A	19870519				198724	
EP 134017	B	19871028				198743	
DE 3466957	G	19871203				198749	

Priority Applications (No Type Date): US 83522144 A 19830811
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 134017	A	E	28		
	Designated States (Regional): CH DE FR GB IT LI				
EP 134017	B	E			
	Designated States (Regional): CH DE FR GB IT LI				

Line printer paper feed mechanism position control...

...Abstract (Basic): Twin DC servomotors are controlled by a position counter and microprocessor . **Light sensors** and an emitter disc are coupled to the motors to detect **paper** position **errors** due to carriage or motor movement, and feed 1/4 degree pulses to an error...
...Abstract (Equivalent): In a **printer** system with a carriage drive for feeding a print medium in increments having a drive...

26/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

06572927 **Image available**
PRINTER AND METHOD FOR CORRECTING COLOR REGISTRATION **ERROR** FOR THE **PRINTER**

PUB. NO.: 2000-158717 [JP 2000158717 A]
PUBLISHED: June 13, 2000 (20000613)
INVENTOR(s): EOM YOON-SEOP
AN SEUNG-DEOG
KIM NAM-RYOUNG
PARK SANG-SHIN
LEE BEOM-RO
APPLICANT(s): SAMSUNG ELECTRONICS CO LTD
APPL. NO.: 11-306105 [JP 99306105]
FILED: October 27, 1999 (19991027)
PRIORITY: 9845724 [KR 9845724], KR (Korea) Republic of, October 29, 1998 (19981029)

PRINTER AND METHOD FOR CORRECTING COLOR REGISTRATION **ERROR** FOR THE **PRINTER**

ABSTRACT

PROBLEM TO BE SOLVED: To provide a **printer** and a method for correcting a color registration **error** therefor with which a structure for measuring an **error** amount from a **test pattern** is simplified and a measurement accuracy can be enhanced.

SOLUTION: The **printer** includes a plurality of **light detectors** 38, 48, 58 and 68 for **detecting** a part of **light** projected from light scan devices 30, 40, 50 and 60, an engine controller 140 for...

...56 and 66 and a roller with use of light receive signals output from the **light detectors** so that a **test pattern** for each **light** scan device set to **detect** a color registration **error** of light scan devices is formed to a photosensitive medium, and a pattern position-detecting means 170 for detecting a position of the **test pattern** formed through a development process at a fixed position. An amount of the color registration **error** is calculated from the provided information on position of the **test pattern** , and color registration correction data is obtained from the calculated amount of the **error** .

File 9:Business & Industry(R) Jul/1994-2004/Sep 14
(c) 2004 The Gale Group
File 15:ABI/Inform(R) 1971-2004/Sep 15
(c) 2004 ProQuest Info&Learning
File 16:Gale Group PROMT(R) 1990-2004/Sep 15
(c) 2004 The Gale Group
File 20:Dialog Global Reporter 1997-2004/Sep 15
(c) 2004 The Dialog Corp.
File 47:Gale Group Magazine DB(TM) 1959-2004/Sep 15
(c) 2004 The Gale group
File 75:TGG Management Contents(R) 86-2004/Sep W1
(c) 2004 The Gale Group
File 80:TGG Aerospace/Def.Mkts(R) 1986-2004/Sep 15
(c) 2004 The Gale Group
File 88:Gale Group Business A.R.T.S. 1976-2004/Sep 14
(c) 2004 The Gale Group
File 98:General Sci Abs/Full-Text 1984-2004/Jul
(c) 2004 The HW Wilson Co.
File 112:UBM Industry News 1998-2004/Jan 27
(c) 2004 United Business Media
File 141:Readers Guide 1983-2004/Jul
(c) 2004 The HW Wilson Co
File 148:Gale Group Trade & Industry DB 1976-2004/Sep 15
(c)2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2004/Sep 15
(c) 2004 The Gale Group
File 264:DIALOG Defense Newsletters 1989-2004/Sep 14
(c) 2004 The Dialog Corp.
File 484:Periodical Abs Plustext 1986-2004/Sep W1
(c) 2004 ProQuest
File 553:Wilson Bus. Abs: FullText 1982-2004/Jul
(c) 2004 The HW Wilson Co
File 570:Gale Group MARS(R) 1984-2004/Sep 15
(c) 2004 The Gale Group
File 608:KR/T Bus.News. 1992-2004/Sep 15
(c)2004 Knight Ridder/Tribune Bus News
File 620:EIU:Viewswire 2004/Sep 14
(c) 2004 Economist Intelligence Unit
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Sep 15
(c) 2004 The Gale Group
File 623:Business Week 1985-2004/Sep 14
(c) 2004 The McGraw-Hill Companies Inc
File 624:McGraw-Hill Publications 1985-2004/Sep 14
(c) 2004 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2004/Sep 14
(c) 2004 San Jose Mercury News
File 635:Business Dateline(R) 1985-2004/Sep 15
(c) 2004 ProQuest Info&Learning
File 636:Gale Group Newsletter DB(TM) 1987-2004/Sep 15
(c) 2004 The Gale Group
File 647:CMP Computer Fulltext 1988-2004/Sep W1
(c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/Aug W4
(c) 2004 IDG Communications
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

```
Set     Items   Description
S1     106829   ((INKJET?? OR INK()JET??)(5N)PRINTER??) OR PLOTTER??
S2       2127   (LINEFEED?? OR LINE()FEED?? OR ALIGN????)(5N)(ERROR?? OR C-
            ALIBRAT????)
S3      23226   (PAPER?? OR MEDIA?? OR PAGE?? OR SHEET???)(5N)(ERROR?? OR -
            CALIBRAT????)
S4     666127   BASE??(2N)(PATTERN??  OR MARK?? OR DESIGN?? OR LAYOUT?? OR
            LAY()OUT??)
S5     222532   (OVERLAY?? OR TOP OR ABOVE?? OR OVER()LAY??)(2N)(PATTERN??
            OR MARK?? OR DESIGN?? OR LAYOUT?? OR LAY()OUT??)
S6     250462   (INTERFERENCE?? OR CALIBRAT???? OR TEST?? OR ALIGNMENT?? OR
             MISALIGNMENT??)(2N)(PATTER??  OR MARK?? OR DESIGN?? OR LAYOU-
            T?? OR LAY()OUT??)
S7     104904   (SENS??? OR DETECT??? OR DETERMIN??? OR  ANALY???? OR MONI-
            TOR??)(4N)(LUMINANC??  OR LUMINESC?? OR LUMINOCI??? OR ILLUMI-
            NAT???? OR BRIGHT???? OR LIGHT???)
S8           0   AU=(KINAS E? OR KINAS, E?)
S9          94   S1(S)(S2 OR S3)
S10          1   S9 AND S7
S11        621   S1(S)(S4 OR S5 OR S6)
S12         28   S11 AND S7
S13         16   RD (unique items)
S14         25   (S2 OR S3)(S)S7
S15         17   RD (unique items)
S16         17   S15 NOT S13
S17         17   S16 NOT S10
S18          6   S17 AND PRINTER?
S19        205   (S4 OR S5 OR S6)(7N)S7
S20          1   S19(S)(ERROR? AND PRINTER?)
?
```

10/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01550864 SUPPLIER NUMBER: 13073891 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Pen alignment in a two-pen, large-format, inkjet drafting plotter. (HP's DesignJet drafting plotter) (Technical)
Haselby, Robert D.
Hewlett-Packard Journal, v43, n6, p24(4)
Dec, 1992
DOCUMENT TYPE: Technical ISSN: 0018-1153 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2555 LINE COUNT: 00196

...ABSTRACT: two multiple-nozzle pens. The system involves three steps: producing a test pattern on the **media** that displays any **errors** ; using a sensor to examine the test pattern; and correcting the error. Engineers chose a...

...the pattern on the sensor, a quad photodiode array, which measures the test pattern's **alignment** . Timing adjustments can correct **errors** in scan direction. As for **errors** in **media** direction, adjustments may be made by selecting a set of 48 out of the 50...
... solution to the alignment problem.
Quad Sensor
A quad photodiode array is used as the **sensor** with **illumination** from a diffuse light-emitting diode. A simple two-lens optical system images the test...
?

13/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)

3019267 Supplier Number: 03019267 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Beauty in Distress
(Over 42% of female beauty Web site visitors are over 35 yrs old; online sales of cosmetics, skin care, and fragrances to reach $1.2 bil by 2003)
American Demographics, v 23, n 1, p 62+
January 2001
DOCUMENT TYPE: Journal ISSN: 0163-4089 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2078

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...all of its monitors. "When you go to a physical store, the retailer controls your **sensory** input: music, **lighting** , the salesperson. On the Web it's just this piece of glass. Having control over...Internet. But tomorrow, the capability may be as commonplace as diskettes, digiScents, an Oakland, California- **based** company, has **designed** a product called iSmell Personal Scent Synthesizer. It's a speaker-size peripheral device that you'd plug into your computer. Imagine an **ink jet printer** that's loaded with various scent cartridges instead of ink. When the device receives the...

13/3,K/2 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

08873587 Supplier Number: 75171067 (USE FORMAT 7 FOR FULLTEXT)
Beauty in Distress.(COSMETICS WEB SITES)
Wellner, Alison Stein
American Demographics, nISSN 0163-4089, pNA
Jan, 2001
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2175

... all of its monitors. "When you go to a physical store, the retailer controls your **sensory** input: music, **lighting** , the salesperson. On the Web it's just this piece of glass. Having control over...

...Internet. But tomorrow, the capability may be as commonplace as diskettes. digiScents, an Oakland, California- **based** company, has **designed** a product called iSmell Personal Scent Synthesizer. It's a speaker-size peripheral device that you'd plug into your computer. Imagine an **ink jet printer** that's loaded with various scent cartridges instead of ink. When the device receives the...

13/3,K/3 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

07956028 Supplier Number: 66448226 (USE FORMAT 7 FOR FULLTEXT)

Still At The Top? -- Microsoft's sway rests on a stack of new technology. (Company Business and Marketing)
Ricadela, Aaron
InformationWeek, p44
Oct 30, 2000
Language: English Record Type: Fulltext Abstract
Document Type: Magazine/Journal; General Trade
Word Count: 3247

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...Boise, Idaho, software developer in 1995, hoping to tap what he thought was an emerging **market** : Windows- **based** data-analysis software that even small companies could afford. A little more than a year later, the tiny vendor had won contracts with Hewlett-Packard's **ink - jet printer** division, data-video projector manufacturer InFocus Corp., and the Veterans Administration-for the Knosys Analysis...
... SQL Server. "Microsoft couldn't stand still. It had to change," says James Governor, an **analyst** at **Illuminata** . "There are new component-based technologies, and Microsoft is going to have to re-educate ...

13/3,K/4 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

07393652 Supplier Number: 62061145 (USE FORMAT 7 FOR FULLTEXT)
Drupa 2000 Preview: Industry Trends And Our Guide to the Exhibits.
The Seybold Report on Publishing Systems, pNA
May 8, 2000
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 47334

... new color spectrophotometer, ColorScout-S, that uses an "echelette" diffraction grating and an array of **light detectors** . Although only slightly larger than a computer mouse, it has features such as a 45... because of their high resolution.)
The Hi-Scan 1PMT model uses a single photomultiplier light **detector** . **It** claims 10,000-dpi resolution and Dmax of 4.5, and scans an area up ...and a 3400nm beam serves as a reference, making the system independent of room lighting.) **Light detector readings** are analyzed **by** Windows software that presents the results graphically.
GretagMacbeth: 5 C23
GretagMacbeth is formally launching its...colors.
With a top resolution of 720 dpi, this may be the highest-resolution ink- **jet printer in** this market. **Its** top **speed** of 100 square meters per hour is achieved at 360 dpi.
The price is expected...

13/3,K/5 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

03618967 SUPPLIER NUMBER: 11344741 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Dataproducts printer boasts solid-ink technology. (Dataproducts Corp.'s

Jolt available in IBM-PC-compatible and Postscript Level 2 models)(Brief Article) (product announcement)
Damore, Kelley
PC Week, v8, n39, p22(1)
Sept 30, 1991
DOCUMENT TYPE: product announcement ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 321 LINE COUNT: 00024

... minute (ppm) for text and 0.7 ppm for graphics, said officials.
Beta testers and **analysts** see a **bright** future for solid-ink technology.
"With color, the information jumps off the page, " said Harris...

...print quality of the black text is superior to that of our current monochrome laser **printer** ."
" **Ink - jet** [**printers**] have had a beleaguered past, and [Jolt] gives ink-jet credibility while getting the cost down," said Michael Zeis, president of Blackstone Research Associates, a **market** -research firm **based** in Uxbridge, Mass.
The printer includes serial and parallel interfaces, 1M byte of RAM, a...

13/3,K/6 (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

02505923 SUPPLIER NUMBER: 03119311 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Use your TRS-80 Color Computer as a storage oscilloscope.
Mims, Forrest M., III
Computers & Electronics, v22, p64(7)
Feb, 1984
ISSN: 0745-1458 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 4245 LINE COUNT: 00320

... approached maximum amplitude.
The circuit in Fig. 2B is a very simple, yet ultra-sensitive, **light sensor** . The cadmium sulfide photoresistor, PC1, has a high dark resistance and a low light resistance...

...photoresistor increases.
A photograph of the monitor's screen showing two spikes produced by the **light sensor** when a flashlight was blinked twice in quick succession (0.4 volt per vertical division...

...when the second flash arrives about 2.5 seconds after the first.
A linear-response **light sensor** using a silicon solar cell and an op amp is shown in Fig. 2C. Using...
...procedure is called a screen dump.
A better approach is to employ an x-y **plotter** . Even economical **plotters** have much higher resolution than the best available video monitors. This means very precise graticules and **calibration marks** can be superimposed on a plotted trace.
A prgram called scopeplt that converts Comscope traces...

13/3,K/7 (Item 1 from file: 141)

DIALOG(R)File 141:Readers Guide

05124847 H.W. WILSON RECORD NUMBER: BRGA03124847 (USE FORMAT 7 FOR FULLTEXT)
2003 Digital Camera Buyer's Guide.
Petersen's Photographic v. 32 no2 (June 2003) p. 57-67, 70-1, 78, 86
WORD COUNT: 8066

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
... of exposure compensation, built-in autoflash, shutter speeds from 8 seconds to 1/2000, a **bright** 1.6-inch color **monitor** plus an optical zoom viewfinder, B/W and sepia modes, 120-second AVI movie mode...

...overkill. If your digital photos won't be printed bigger than letter size on an **inkjet printer** , or published bigger than 6X8 inches or so, you don't need five megapixels. In...

...are capsule descriptions of some of the more intriguing under-five-megapixel digicams on the **market** .

Canon's **top** "serious" consumer digicam, the PowerShot G3 ($699) features 4-megapixel (2272X1704-pixel) resolution, a fast...

...The big news with Kodak's EasyShare LS633 is the world's first OLED (organic **light** -emitting diode) **monitor** . The one on Kodak's new 3-megapixel EasyShare LS633 ($399) measures 2.2 inches...Type II CompactFlash cards (and IBM Microdrives). The 1.8-inch TFT-type color LCD **monitor** is much **brighter** than its predecessor's, and easily viewable in daylight. Dimensions are 5.9X4.2X3.0...

13/3,K/8 (Item 2 from file: 141)
DIALOG(R)File 141:Readers Guide

04771050 H.W. WILSON RECORD NUMBER: BRGA02021050 (USE FORMAT 7 FOR FULLTEXT)
5-Megapixel Cameras Come Into Focus.
AUGMENTED TITLE: top 100
PC World v. 20 no5 (May 2002) p. 116-123, 125, 127, 129, 131-133
WORD COUNT: 3339

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
... clean, speedy text printing and beautiful glossy photos earn it a Best Buy.

Top 10 **Monitors Bright** , lifelike colors and sharp text help the NEC MultiSync FE950+ land in the upper half...we'll look at monochrome laser printers.

HOW WE TEST: The overall rating for color **ink jet printers** is based on price (25 percent), print quality (20 percent), features (15 percent), ease of...

...speed (10 percent), service and support (10 percent), and cost of

consumables (5 percent). Data **based** on **tests** **designed** and conducted by the PC World Test Center. All rights reserved. See find.pcworld.com...

13/3,K/9 (Item 3 from file: 141)
DIALOG(R)File 141:Readers Guide
(c) 2004 The HW Wilson Co. All rts. reserv.

04555888 H.W. WILSON RECORD NUMBER: BRGA01055888 (USE FORMAT 7 FOR FULLTEXT)
New processors make a splash.
AUGMENTED TITLE: top 100
PC World v. 19 no11 (Nov. 2001) p. 152-75
WORD COUNT: 5399

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
... pull out a screwdriver.

Our test system's 15-inch Gateway FPD1510 flat-panel LCD **monitor** delivered **bright** colors and sharp text. Adaptec's Easy CD Creator and DirectCD come bundled for use...their prices and consumables costs differ somewhat.

HOW WE TEST: The overall rating for color **ink** **jet** **printers** is based on print quality (25 percent), price (25 percent), features (15 percent), ease of...

...10 percent), and service and support (10 percent). For all ratings, higher is better. Data **based** on **tests** **designed** and conducted by the PC World Test Center. All rights reserved. See find.pcworld.com...

13/3,K/10 (Item 4 from file: 141)
DIALOG(R)File 141:Readers Guide
(c) 2004 The HW Wilson Co. All rts. reserv.

03536876 H.W. WILSON RECORD NUMBER: BRGA97036876 (USE FORMAT 7 FOR FULLTEXT)
Industry resources 1997/1998.
AUGMENTED TITLE: special issue
TCI (TCI) v. 31 (June/July '97) p. 14-18+
WORD COUNT: 215730

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
... compuserve.com
Contact: Bob Blake
Hours: 8:00AM - 5:00PM, Mon - Fri
Professional sound and **lighting** design for small to medium (2000-seat) facilities. Complete line of audio equipment, dimming and... from stock. New are the DA-Series Digitally Controlled Amplifier range, the CSM-2 Studio **Monitor** , the ACS 'Contractor Series' of high performance, low cost loudspeakers, and the D-1 Digital...

...6:00PM, Mon - Sat
Wireless technology experts manufacturing cost effective WAM wireless

in-ear audio **monitor** systems, and two multiple application wireless MIDI systems, and MR-2 and MRX-1.

ARABESQUE...Products include two hand-held, battery powered test systems which are used to receive, transmit, **analyse** and boost data and also test cables. Micro-Scope is used for DMX512, whilst MIDI...

...any type of event from corporate extravaganzas to rock 'n' roll. One call can supply **lighting** , sound, staging, audio-visual, special effects, and band gear. Technical support for theatre, theme parties...of lighting control and test equipment for tours, theatres, and theme parks. Developed Altstar Automated **Lighting** , SMXPro, DMXPatch, and DMXRemote.

BGW SYSTEMS, INC.
13130 Yukon Ave., Hawthorne, CA 90250

800-468...Rosco, Socapex, Union Connector
LAMPS: Electronic Theatre Controls, GE Lighting, GE/Thorn, Osram Sylvania, Philips
LIGHTING ACCESSORIES: Apollo **Lights** and Sound, Colortran, Lee Filters, Matthews Studio, Osram Sylvania, Prolyte, Rosco, James Thomas Engineering, Ultimate...
...5:00PM, Mon - Fri 9:00AM - 1:00PM, Sat
Large East coast supplier of theatrical **lighting** equipment and expendables. Seven stocking locations carry all lamps, gels, patterns, paints, and fabric. Also...ACCESSORIES: Altman, Chimera, City Theatrical, Desisti Lighting, Diversitronics, Field Templates, Great American Market, Lee Filters, **Lighting** and Electronics, M.U.T. Enterprises, Matthews Studio, Ness, Permacel, Pro-Tapes, Rosco, Union Connector...of modular loudspeaker systems. Also, developer of a wavefront coherent loudspeaker and uses computerized TEF **analysis** to develop its transducers. (Est. 1968)

COMMUNITY PROFESSIONAL LOUDSPEAKERS
333 E. Fifth St., Chester, PA...Hours: Monday - Friday
Developer of software tools for the lighting industry. Products cover instrument photometrics **analysis** , **lighting** plot design, and **lighting** control all via IBM PC and Microsoft Windows.
SEE AD INDEX FOR PAGE NUMBER OF...

...include the Century Series GT, GTx and Vx FOH mixers and the LM and LMx **monitor** boards.

NICHOLAS G. CRISTY, P.E.
1220 Rt. 50, Ballston SPA, NY 12020

518-885...conception to final execution. This includes themed special events, multimedia, audio, rigging, and directing. Full **lighting** rental and sales services also provided.

MANUFACTURERS CARRIED
CASES: Art*Tec

COMMUNICATIONS: Clear-Com, Motorola...com
Contact: Charlie Winkler
Parent Company: EVI Pro Audio Group
Manufacturer of consoles for live, **monitors** , theatre, and recording.

D&D SALES
9540 Pathway St., #103, Santee, CA 92071

619-449...Manufacturer of audio signal processors including equalizers, compressors, crossovers, noise gates, mixers, and real-time **analyzers** . Two divisions include DigiTech, and DOD Electronics. Under the DigiTech name, products include equalizers, reverbs...designed for the most demanding concert applications. Also power amps, crossovers, equalizers, flying hardware, and **monitors** .

FENDER PROFESSIONAL AUDIO
Div. Fender Musical Instruments Corp. 7975 N. Hayden Rd., Scottsdale, AZ 85258...and sound equipment and accessories. Power supplies, power conditioners, and AC distribution. Computer hardware, drives, **monitors** , non-linear video and steel racks, and workstation furniture.

G
GE LIGHTING
Nela Park, #4337...IL 60084

847-381-4050
Fax: 847-381-4052
Contact: Jane Cwik
Manufacturer of photovoltaic **sensors** , handheld lightmeters, and laboratory photometric systems for the visible and UV portions of the spectrum...

...flight cases for DJ equipment, A/V components, shipping cases, musical equipment, theatrical supplies, computers, **monitors** , **lighting** equipment. **Lighter** duty cases also available in heavy duty plastic and fiber. Specializing in custom cases.

REX...Altman, American Studio Equipment, ARRI, Dandux, Desisti Lighting, Electronic Theatre Controls, GE Lighting, Great American **Market** , Lee Filters, Lowel-Light, Milspec, ORC, Osram Sylvania, Pancommand, Permacel, Pro-Tapes, Rosco, SFX Design...including Digital S, S-VHS and VHS recorder/players, editing recorders and controllers, duplicators, video **monitors** , special effects generators, TBCs, 3-CCD cameras, camcorders, HDTV cameras, monitors and W-VHS VCRs...CA 90401
310-656-2521
Fax: 310-656-2524
Designer and manufacturer of professional studio **monitors** for broadcast, video, recording and post-production applications, distributed exclusively by Group One Ltd.

KAGAN...

13/3,K/11 (Item 1 from file: 148)

08898940 SUPPLIER NUMBER: 18397000
The strategic roles of human resource development.
Torraco, Richard J.; Swanson, Richard A.
Human Resource Planning, v18, n4, p10(12)
Dec, 1995
ISSN: 0199-8986 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 7816 LINE COUNT: 00671

...ABSTRACT: technology which is deemed useless without the intervention of skilled manpower. It is in this **light** that HRD **determines** the implementation of the needed techniques for business success.
... workers include Hewlett-Packard's design center for advanced "personal digital assistants" and new portable **ink - jet printers** in Singapore, Intel Corporation's product development and manufacturing center in Penang, Malaysia, Motorola's...

13/3,K/12 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

08124425 SUPPLIER NUMBER: 17389671 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Plastics technology: manufacturing handbook & buyers' guide 1995/96. (Buyers Guide)
Plastics Technology, v41, n8, pCOV(941)
August, 1995
DOCUMENT TYPE: Buyers Guide ISSN: 0032-1257 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 174436 LINE COUNT: 15187

... tooling with interchangeable cavities and cores. CAD/CAM and CNC machine centers and mold-filling **analysis** completed in-house, along with sampling on presses from 75 to 400 tons for mold...

13/3,K/13 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

05792091 SUPPLIER NUMBER: 11866708 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The M&A Rosters; third quarter 1991.
Mergers & Acquisitions, 26, n4, 65(65)
Jan-Feb, 1992
ISSN: 0026-0010 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 104170 LINE COUNT: 10201

... industrial fabrics. It also makes rugs and bedspreads. The Doblin Fabrics division of Springs Industries **designs** , manufactures, and markets Jacquard fabrics for furniture producers and distributors of Jacquard materials. Doblin is...connection with the sale. Principals: IPALCO Enterprises is the holding company for Indianapolis Power & Light **Co** . Indianapolis Power & Light supplies electricity in Indianapolis and vicinty, and furnishes steam for heating and...

13/3,K/14 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01550867 SUPPLIER NUMBER: 13075441 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Improved drawing reliability for drafting plotters. (SurePlot drawing system for HP's DraftMaster Plus drafting plotter) (includes related articles on the average user plot and on the acceptable quality index) (Technical)
Beauchamp, Robert W.; Adroher, Josep Giralt; Uroz, Joan; Rosello, Isidre

Hewlett-Packard Journal, v43, n6, p35(7)
Dec, 1992
DOCUMENT TYPE: Technical ISSN: 0018-1153 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3837 LINE COUNT: 00298

...ABSTRACT: stops plotting or starts over from the beginning of the plot. Engineers designed a small, **light** -weight custom **sensor** , all of whose parts are snapped or press-fit together. The color **detection** **light** source is a high-intensity green light emitting diode (LED). Engineers tested SurePlot using an...
... pen groove. This objective means that the pen does not have to be stowed while **sensing** lines.
* **Lighting** . The plotter must work under normal office lighting conditions (lights off/lights on) or in...

...A simple mathematical model was used in the development of the line sensor. Other scanning **sensors** focus the emitter **light** and the **detector** at the same spot and therefore are very sensitive to changes in height. The basic...

...a point. This design removes the sensitivity to changes in height.
Fig. 1 shows the **sensor** design. The LED emits **light** with an intensity of [I.sub.v]. The intensity incident upon the media, [I.sub...

...the print contrast ratio, or PCR. The PCR is the ratio of the drop in **light** intensity at the **detector** resulting from **light** absorption by the plotted line to the intensity of the general white level of light...

...measuring [V.sub.w] and [V.sub.min] with the room lights on and off.
Light Source Selection for Color **Detection**
An important consideration, omitted in the above analysis, is the spectral characteristics of the LED...
...are good candidates to detect yellow lines but they are costly, emit very low-intensity **light** , and would have problems **detecting** blue lines. Red LEDs have the highest-intensity output but they have a known problem... of the pens on the actual drawing greatly improves the drawing reliability of a pen **plotter** . The system operates on an extremely wide range of media, pens, and graphic **pattern** contents **based** on its ability to learn the right print contrast. This added functionality does not add...

...needs. This represents an improvement of 40 times in the percentage of unacceptable drawings over **plotters** without the new sensor.
Acknowledgments
The authors are grateful to Luis Fernandez, Steve Vanvoorhis, and...

13/3,K/15 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01550864 SUPPLIER NUMBER: 13073891 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Pen alignment in a two-pen, large-format, inkjet drafting plotter. (HP's DesignJet drafting plotter) (Technical)
Haselby, Robert D.
Hewlett-Packard Journal, v43, n6, p24(4)
Dec, 1992
DOCUMENT TYPE: Technical ISSN: 0018-1153 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2555 LINE COUNT: 00196

...ABSTRACT: alignment system for its two multiple-nozzle pens. The system involves three steps: producing a **test pattern** on the media that displays any errors; using a sensor to examine the **test pattern** ; and correcting the error. Engineers chose a **test pattern** consisting of a line that both cartridges draw in each scan direction. To measure the **test pattern** , an optical system composed of two lenses creates an image of the pattern on the sensor, a quad photodiode array, which measures the **test pattern** 's **alignment** . Timing adjustments can correct errors in scan direction. As for errors in media direction, adjustments...
... solution to the alignment problem.
Quad Sensor
A quad photodiode array is used as the **sensor** with **illumination** from a diffuse light-emitting diode. A simple two-lens optical system images the test...

13/3,K/16 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01225857 CMP ACCESSION NUMBER: IWK20001030S0034
Still At The Top? - Microsoft's sway rests on a stack of new technology
AARON RICADELA
INFORMATIONWEEK, 2000, n 810, PG44
PUBLICATION DATE: 001030
JOURNAL CODE: IWK LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: SOFTWARE DEVELOPMENT
WORD COUNT: 3255

TEXT:
... Boise, Idaho, software developer in 1995, hoping to tap what he thought was an emerging **market** : Windows- **based** data-analysis software that even small companies could afford. A little more than a year later, the tiny vendor had won contracts with Hewlett-Packard's **ink - jet printer** division, data- video projector manufacturer InFocus Corp., and the Veterans Administration-for the Knosys Analysis...
... SQL Server. "Microsoft couldn't stand still. It had to change," says James Governor, an **analyst** at **Illuminata** . "There are new component-based technologies, and Microsoft is going to have to re-educate ...

18/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01039955 96-89348
Free choice
Jeffrey, Noel
American Printer v215n2 PP: 75-78 May 1995
ISSN: 0744-6616 JRNL CODE: APR
WORD COUNT: 2288

...TEXT: performance, characteristic of paper, and it is not synonymous with gloss achieved by coating. Paper **brightness** is **determined** by **illuminating** the surface of a sheet under controlled conditions. The light diffusely reflected at a 90deg angle is referenced against a standard **calibrated** at 100. Therefore, **paper** with an indicated brightness of 80 reflects 80 percent as much light. as the reference...echoes Mike Holmes, pressroom manager at Watt/Peterson (Plymouth, MN), a high-quality sheet-fed **printer** with 40-inch six-color Heidelberg presses and in-house electronic prepress services. "The project...

... the company printed for Cross Pointe. Heartland is a six-year-old sheet-fed commercial **printer** running four 28-inch Heidelberg Speedmasters.
"We were using 80-lb. cover and 80-lb...

... four-color process and Pantone Matching System colors. It ran very well," he reports. "When **printers** look at recycled paper they judge it as dirty or clean. Aquarius is very clean...while still looking for coated. Then we sent Niagara samples to Publisher's Press. Our **printer** evaluated it and we bought the 100 tons we need for the year."

"Niagara is...

18/3,K/2 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

07959059 Supplier Number: 66407077 (USE FORMAT 7 FOR FULLTEXT)
Reprotechnik touts Colorperfexion management tool.
Printing World, p14
Oct 23, 2000
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 661

... for newspapers and one for gravure. This takes account of the paper used leaving the **printer** to provide dot gain values which are then added to profile to view that particular...

...resolution or proofers. He does say that some adjustment may be necessary on some colour **printers** used for proofing. The aim is to simulate what can be produced on the press...

...to-use solution based around a reference image which is used to visually adjust a **monitor** using its controls for **brightness** , contrast and

saturation. This allows **monitors** in any sort of **light** to be used and reflects the reality of operation rather than a concept of perfection achieved by frequent monitor **calibration** devices. When **paper** type and dot gain values are added to this, the on-screen image proves to...

...570 per seat or Rip.
The company checked its theory with a blind trial involving **printers** in three countries running 35 different presses, from Ryobi to Heidelberg. This offered a cross...

18/3,K/3 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
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29946787 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Reviews - Peripherals - HP business inkjet printer .
Alistair Dabbs.
PC WORLD, p79
March 01, 2003
JOURNAL CODE: WPCW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 409

(USE FORMAT 7 OR 9 FOR FULLTEXT)
Reviews - Peripherals - HP business inkjet printer .

... it can automatically identify the grade of paper loaded in the tray, and then it **calibrates** the colour and the printhead **alignment** without your intervention.
The output tray's single-envelope slot can accommodate photo-printing cards...

... s classic feeder design makes refilling the trays a bit fiddly, this is not a **printer** that jams easily, if at all.
The price includes a two-sided printing unit (duplexer...
... 49. We did have some problems figuring out drivers, but the 6122 is a great **printer** at a bargain price.
SPECS
Thermal inkjet - 150-sheet feeder, duplexer - 20ppm mono, 13ppm colour ...

...printing
CONS Slow graphics output; not as easy to use as HP's consumer inkjet **printers**
OVERALL HP takes another step towards its goal of putting a Deskjet next to every...

18/3,K/4 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

22942049 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Reviews - Peripherals - Lexmark high-resolution inkjet printer .
Rob Christian.
PC WORLD, p61
July 01, 2002
JOURNAL CODE: WPCW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 775

(USE FORMAT 7 OR 9 FOR FULLTEXT)
Reviews - Peripherals - Lexmark high-resolution inkjet printer .

Lexmark's Z65 A4 inkjet **printer** has the highest resolution currently on the market, coming in at 4,800 x 1...

...pages per minute).
Apart from its speed and resolution, Lexmark is particularly proud of the **printer** 's automatic cartridge alignment feature. This eliminates the need for manual alignment, helping to increase...

... the LED and optical sensors read the alignment page, then automatically adjust the printhead and **printer** driver settings. The space between the colour and black cartridges can vary slightly, so this...
The Z65 automatically recognises different paper types and adjusts the **printer** settings to achieve optimal print quality. Print drivers adjust the way they format print jobs...

... paper type sensing eliminates this potential for human error. A paper type sensor in the **printer** 's paper tray constantly monitors the type of paper loaded. Working with the basic physical principle that different types of paper reflect light in different ways, the paper **sensor** is made of a **light** emitter and two light captors. Depending on which captor receives light, and in which quantity, the **printer** 's driver determines which type of media is loaded from a choice of plain, photo...

...has dual paper trays. The nearest of the two trays at the front of the **printer** has a plain paper capacity of 100 A4 sheets, and the rear one can hold...

... automatic paper sensor. Either tray can be selected by pressing the corresponding button on the **printer** or via the **printer** driver software.
Although Lexmark has made several printhead design improvements on its colour and black...

...areas missed by the faulty nozzle.
Back on the down side, Lexmark, like most other **printer** makers, doesn't supply a USB cable - an irritating omission. It's a shame the...

...is quick and easy to use. While the Z65 may be one of the simplest **printers** to use, many may find the quality and speed of its output too offputting.
DETAILS...

... new graphical user interface, automatic cartridge alignment and paper type sensing make using this inkjet **printer** a breeze, but print quality is mediocre and its three-colour cartridge is expensive for...

18/3,K/5 (Item 3 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

11045248 (USE FORMAT 7 OR 9 FOR FULLTEXT)
ColorMatch Software, Inc. Releases ColorMatch Web, a Free Downloadable Software Tool Designed to Improve Color Consistency While Surfing the

Web
BUSINESS WIRE
May 16, 2000
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 645

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... calibration. For the rest of the process, users make easy adjustments to sliders on a **calibration page** . These Java applets, running in the browser, will supply new sRGB values that the ColorMatch...

... a convenient stop for links, information and news of peripherals, such as digital cameras, color **printers** , and scanners; supplies; and software tools.

About ColorMatch

ColorMatch Software, Inc. is a leading provider...

18/3,K/6 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02120974 SUPPLIER NUMBER: 19994423 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Scan intelligently with EasyPhoto SmartPage Pro. (Storm Technology) (Hardware Review) (Evaluation)
Klare, Matthew
Computer Shopper, v16, n16, p577(1)
Dec, 1997
DOCUMENT TYPE: Evaluation ISSN: 0886-0556 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 515 LINE COUNT: 00046

...ABSTRACT: dpi optical resolution and interpolated resolutions up to 5,000 dpi. It attaches to the **printer** 's parallel port and can act as either a sheetfed or hand-held scanner. Users...
... s PaperPort Strobe, the SmartPage Pro utilizes a solid-state imaging technology called Contact Imaging **Sensor** (CIS). CIS uses **light** pipes to direct light from several LEDs to the scan area. It scans the illuminated...

...various mirrors, prisms, and lenses comprising the optical paths of traditional CCD-based scanners. Once **calibrated** , CIS-based scanners should remain **aligned** almost indefinitely because they have so few moving optical components.

Installing the SmartPage Pro was...

20/3,K/1 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

05592946 SUPPLIER NUMBER: 12399671 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Manufacturers. (laser industry) (The 1992 Buyers Guide) (Directory)
Laser Focus World, v27, nSPEISS, p746(155)
Dec 15, 1991
DOCUMENT TYPE: Directory ISSN: 0740-2511 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 139277 LINE COUNT: 11434

File 348:EUROPEAN PATENTS 1978-2004/Sep W01
(c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040909,UT=20040902
(c) 2004 WIPO/Univentio

Set	Items	Description
S1	16746	((INKJET?? OR INK()JET??)(5N)PRINTER??) OR PLOTTER??
S2	4303	(LINEFEED?? OR LINE()FEED?? OR ALIGN????)(5N)(ERROR?? OR C-ALIBRAT????)
S3	6534	(PAPER?? OR MEDIA?? OR PAGE?? OR SHEET???)(5N)(ERROR?? OR -CALIBRAT????)
S4	33251	BASE??(2N)(PATTERN?? OR MARK?? OR DESIGN?? OR LAYOUT?? OR LAY()OUT??)
S5	32559	(OVERLAY?? OR TOP OR ABOVE?? OR OVER()LAY??)(2N)(PATTERN?? OR MARK?? OR DESIGN?? OR LAYOUT?? OR LAY()OUT??)
S6	28079	(INTERFERENCE?? OR CALIBRAT???? OR TEST?? OR ALIGNMENT?? OR MISALIGNMENT??)(2N)(PATTER?? OR MARK?? OR DESIGN?? OR LAYOU-T?? OR LAY()OUT??)
S7	81935	(SENS??? OR DETECT??? OR DETERMIN??? OR ANALY???? OR MONI-TOR??)(4N)(LUMINANC?? OR LUMINESC?? OR LUMINOCI??? OR ILLUMI-NAT???? OR BRIGHT???? OR LIGHT???)
S8	1	AU=(KINAS E? OR KINAS, E?)
S9	72	S1(S)(S2 OR S3)
S10	21	S9 AND S7
S11	11	S10 NOT AD=20001129:20040915/PR
S12	270	S1(S)(S4 OR S5 OR S6)
S13	16	S12(S)S7
S14	15	S13 NOT (S11 OR S10)
S15	12	S14 NOT AD=20001129:20040915/PR
S16	283	(S2 OR S3)(S)S7
S17	27	S16(S)PRINTER?
S18	19	S17 NOT (S11 OR S10 OR S14)
S19	16	S18 NOT AD=20001129:20040915/PR
S20	1372	(S4 OR S5)(S)S6
S21	93	S20(S)S7
S22	9	S21(S)(ERROR? AND PRINTER?)
S23	7	S22 NOT (S11 OR S10 OR S14 OR S18)

8/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01432630
Linefeed calibration method for a printer
Zeilenvorschubkalibrierungsverfahren fur einen Drucker
Calibration de l'avancement d'interligne pour imprimante
PATENT ASSIGNEE:
Hewlett-Packard Company, (206037), 3000 Hanover Street, Palo Alto, CA 94304, (US), (Applicant designated States: all)
INVENTOR:
Kinas, Erick , 1310 SE 201 Avenue, Camas, WA 98607, (US
LEGAL REPRESENTATIVE:
Jackson, Richard Eric et al (62281), Carpmaels & Ransford, 43 Bloomsbury Square, London WC1A 2RA, (GB)
PATENT (CC, No, Kind, Date): EP 1211084 A1 020605 (Basic)
APPLICATION (CC, No, Date): EP 2001309778 011121;
PRIORITY (CC, No, Date): US 727330 001129
DESIGNATED STATES: DE; GB; IT
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: B41J-019/78

ABSTRACT EP 1211084 A1
A linefeed calibration method for identifying media advancement errors utilizes plural test patterns, including both a base pattern and an overlay pattern that are printed overlying each other to form an interference pattern. A sensor (42) detects overall alignment of the interference pattern. That overall alignment is compared to alignment of at least a second interference pattern to identify a linefeed advance error. The error is correlated to a position on a media advancement mechanism (12) such as a roller. A processor then adjusts the media advancement mechanism (12) to correct the identified media advancement error. Under-advance errors, over-advance errors and skew errors may be identified using the described method.
ABSTRACT WORD COUNT: 111
NOTE:
Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):
Application: 020605 A1 Published application with search report
Examination: 021002 A1 Date of request for examination: 20020802
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200223	274
SPEC A	(English)	200223	5683
Total word count - document A			5957
Total word count - document B			0
Total word count - documents A + B			5957

INVENTOR:
Kinas, Erick ...

11/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01555104
Methods for calibration in friction drive apparatus
Verfahren zur automatischen Ausrichtung in einer Reibungsantriebsvorrichtung
Procede d'alignement automatique dans un appareil d'entrainement par friction
PATENT ASSIGNEE:
Gerber Scientific Products, Inc., (551811), 151 Batson Drive, Manchester, CT 06040, (US), (Proprietor designated states: all)
INVENTOR:
Yeo, Daren, 16 Packer Ridge, Stafford Springs, CT 06070, (US)
Raiola, Patrick, 69R Old Blue Hills Road, Durham, CT 06422, (US)
Wood, Kenneth O., 6914 Saint Vrain Road, Longmont, Colorado 80503, (US)
LEGAL REPRESENTATIVE:
Schaumburg, Thoenes & Thurn (100352), Postfach 86 07 48, 81634 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1293457 A1 030319 (Basic)
EP 1293457 B1 031203
APPLICATION (CC, No, Date): EP 2002025203 991217;
PRIORITY (CC, No, Date): US 217667 981221
DESIGNATED STATES: DE; ES; FR; GB; IT; NL
RELATED PARENT NUMBER(S) - PN (AN):
EP 1013584 (EP 99125255)
INTERNATIONAL PATENT CLASS: B65H-023/038
ABSTRACT WORD COUNT: 5805
NOTE:
Figure number on first page: 1,4,5,6

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200312	439
CLAIMS B	(English)	200349	454
CLAIMS B	(German)	200349	404
CLAIMS B	(French)	200349	523
SPEC A	(English)	200312	5275
SPEC B	(English)	200349	4953
Total word count - document A			5715
Total word count - document B			6334
Total word count - documents A + B			12049

...SPECIFICATION quite small compared to the window. Still other types of optical, magnetic, capacitive or mechanical **sensors** can be used. The **light** source 66, 68 is either a Light Emitting Device (LED) or a laser. While a...

...SPECIFICATION with sensors 56, 58 being disposed on opposite sides of the friction wheels 34, 36. **Each sensor** 56, 58 is in communication with the processor 54 via associated circuitry 62, 64, respectively...

...plotting, printing, or cutting the strip material depending on the specific type of the tool **employed** .
The **sensor** 58, disposed behind the friction wheels 34, 36 with

JP 3466957 B2 20031117 JP 99126372 A 19990506 200382

Priority Applications (No Type Date): US 9871111 A 19980504
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
EP 955177 A2 E 28 B41J-029/393
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI
JP 11342600 A 28 B41J-002/01
US 6297888 B1 B41B-015/00
JP 3466957 B2 24 B41J-002/01 Previous Publ. patent JP 11342600

Misalignment between two printed alignment patterns **determining method e.g. for** ink jet printers

Abstract (Basic):

... A first **alignment pattern** is printed having a repetitive pattern in which not all pixels of printed portions of the pattern are printed. A second **alignment pattern** is superimposed over the first **alignment pattern** . It has the same repetitive pattern as the first, but with phase shifted gradually with respect to the first **alignment pattern** . Print density of the superimposition of the first **alignment pattern** over the second **alignment pattern** is measured to determine misalignment between them.

... The method involves printing the first alignment **pattern** , the first **alignment pattern** is comprised by a repetitive pattern in which not all pixels of printed portions of the pattern are printed. Printing the second **alignment pattern** in superimposed relationship over the first alignment **pattern** , the second **alignment pattern** is comprised by the same repetitive pattern as the first **alignment pattern** in which not all pixels of printed portions of the pattern are printed but with phase of it being shifted gradually with respect to the first **alignment pattern** . Measuring print density of the superimposition of the first **alignment pattern** over the second **alignment pattern** so as to determine misalignment between the two **alignment patterns** .An INDEPENDENT CLAIM is included for a method for selecting a density region form among N regions of superimposingly printed **alignment patterns** in which N regions vary in density cyclically from lightest region through darkest region and base to lightest region, a method for superimposed printout of two **alignment patterns** , a method for superimposed printout of two patterns corresponding respectively to two different printings by...

...printing an image using multiple printing passes, an apparatus for determining misalignment between two printed **alignment patterns** , a method for selecting a density region form among N regions of superimposingly printed **alignment patterns** in which N regions vary in density cyclically from lightest region through darkest region and base to lightest region, an apparatus for superimposed printout of two **alignment patterns** , an apparatus for superimposed printout of two patterns corresponding respectively to two different printings by...

...For **ink jet printers** .

...

...Provides improved in alignment accuracy by increasing accuracy of printed **alignment pattern** , by accommodating ringing and overshoot in carriage sped and by accurately **detecting** which region is

respect to the strip material motion indicated by **the** arrow, **detects** and ensures that **the** strip material 12 does not move laterally in the Y-direction. Referring to FIG. 3...

...photo current, which is then integrated. A logic "one" from each pixel 92 indicates presence **of** **light** . Pixels that are shielded from light by the strip material 12, do not generate photo...

...are digital sensors. One type of digital sensor that can be used is a linear **sensor** **array** model number TSL401, manufactured by Texas Instruments, Inc., having a place of business at Dallas...

...photoresistive sensors, such as Clairex type CL700 Series and simple No. 47 lamps. Alternatively, a **silicon** photo diode can be **used** with a diffuser-window about one half of an inch (1 /2") in diameter and...

...quite small compared to the window. Still other types of optical, magnetic, capacitive or mechanical **sensors** can be used. The **light** source 66, 68 is either a Light Emitting Device (LED) or a laser.
While a...

...104 is activated to reduce longitudinal positional error of the strip material 212.
While the **present** invention **has** been illustrated and described with respect to a particular embodiment thereof, it should be appreciated...

11/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01400333
Print media movement apparatus
Drucktragertransportvorrichtung
Appareil de transport des supports d'impression
PATENT ASSIGNEE:
Hewlett-Packard Company, (206034), 3000 Hanover Street, Palo Alto, California 94304-1185, (US), (Applicant designated States: all)
INVENTOR:
Tung, Victor, 2524 SE 166th Avenue, Apt.Y242, Vancouver, WA 98683, (US)
Kaiser, Pierre Joseph, 2234 NW Johnson Street, Portland, OR 97210, (US)
Shepherd, Matthew A., 3201 NE 165th Avenue, Vancouver, WA 98682, (US)
LEGAL REPRESENTATIVE:
Jackson, Richard Eric et al (62281), Carpmaels & Ransford, 43 Bloomsbury Square, London WC1A 2RA, (GB)
PATENT (CC, No, Kind, Date): EP 1184189 A2 020306 (Basic)
EP 1184189 A3 021016
APPLICATION (CC, No, Date): EP 2001307113 010821;
PRIORITY (CC, No, Date): US 651698 000830
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: B41J-013/00; B41J-011/42
ABSTRACT WORD COUNT: 267
NOTE:
Figure number on first page: 4

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language Update Word Count

CLAIMS A	(English)	200210	947
SPEC A	(English)	200210	8826
Total word count - document A			9773
Total word count - document B			0
Total word count - documents A + B			9773

...SPECIFICATION of the edge.
An apparatus to move media in an inkjet imaging device includes a **sensor** configured to measure **light** reflected from the media. The apparatus also includes a media movement mechanism configured to move...

...the printhead to eject ink according to image data. The imaging device further includes a **sensor** configured to measure **light** reflected from the media and a media movement mechanism configured to move the media in ...data used by printhead controller 326 to generate the signals supplied to print cartridges 302.
Inkjet printer 10 includes first sensor, such as media sensor 328, and a second sensor, such as...

...the diffuse lightreflected from the surface of media. Optical sensor 330 is used for the **calibration** and **alignment** of print cartridges 302. In addition, optical sensor 330 is used to measure the performance of **inkjet printer** 10 in forming images on media. Furthermore, optical sensor 330 is used in an embodiment...

...paper 12 are not present at lever 332, the optical emitter/detector 334 does not **detect** reflected **light** . In response, the **detector** in optical emitter/detector 334 generates a signal indicating that no **light** has been **detected** . The signal generated by optical emitter/detector 334 is coupled to sensor controller 336. Sensor 320. Sensor controller 336 interprets the signal indicating no **detection** of **light** as the absence of units of paper 12 at lever 332. Under firmware control, processor...

...by optical emitter/detector 334. In response, emitter/detector 334 generates a signal indicating that **light** has been **detected** . **Sensor** controller 336 interprets this signal to indicate the presence of a unit of paper 12...

...controller 336. The output of the A/D converter represents the intensity of the reflected **light** measured by optical **sensor** 330. As will be discussed in more detail below, optical sensor 330 is used in...to detect edges depending upon the characteristics of the sensor, the media, and the surface **illuminated** by the **sensor** without the media present. If the leading edge is not detected, then in step 466...

...CLAIMS 12).
6. An apparatus to move media in an inkjet imaging device (10), comprising:
a **sensor** (330) configured to measure **light** reflected from the media (12);
a media movement mechanism (319) configured to move the media...

...provide a signal to the printhead (303) to eject ink according to image data;
a **sensor** (330) configured to measure **light** reflected from the media (12);
a media movement mechanism (319) configured to move the media...

11/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01386354
Techniques for measuring the position of marks on media and for aligning inkjet devices
Techniken zum Messen der Lage von Markierungen auf Medien und zum Ausrichten von Tintenstrahlgeraten
Techniques pour mesurer la position des reperes sur medias et pour aligner des dispositifs a jet d'encre
PATENT ASSIGNEE:
Hewlett Packard Company, a Delaware Corporation, (3328090), 3000 Hanover Street, Palo Alto, CA 94304, (US), (Applicant designated States: all)
INVENTOR:
Castano, Jorge, Martorell, 8-12, 08190 Sant Cugat del Valles, Barcelona, (ES)
Subirada, Francesc, Castillejos 31 2on 2a, 08190 Sant Cugat del Valles, Barcelona, (ES)
LEGAL REPRESENTATIVE:
Orsi, Alessandro et al (84453), Hewlett Packard Espanola, Legal Department Avda.Graells, 501, 08190 Sant Cugat del Valles, Barcelona, (ES)
PATENT (CC, No, Kind, Date): EP 1176802 A2 020130 (Basic)
EP 1176802 A3 040303
APPLICATION (CC, No, Date): EP 2001118313 010727;
PRIORITY (CC, No, Date): US 627509 000728
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04N-001/50
ABSTRACT WORD COUNT: 177
NOTE:
Figure number on first page: 13

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200205	1260
SPEC A	(English)	200205	7569
Total word count - document A			8829
Total word count - document B			0
Total word count - documents A + B			8829

...SPECIFICATION measure marks on media made with ink or any other marking system, using an optical **sensor** with only its **light** intensity response and spatial response of dimension zero (such as a radiometer or the like...

...or more axis, some spatial information (position) can be extracted from the media.
When an **inkjet printer** (small or large format) has more than one pen, errors can be produced from a...

...different origins. These errors include, for example, directional errors in the printheads which can produce **errors** in the **paper** and pen axes, i.e. the movement of the printhead (Odd/Even scan axis directionality

(SAD) **errors**), and the movement of the **media** , paper axis directionality (PAD) and swath height errors (SHE). The PAD errors are measured in...

...by the height) should be equal to the height of the nozzles. If there are **errors** in the **paper** axis direction, the actual swath height is different from the nominal swath height. The difference...d eject droplets that fall on the print medium a distance d' apart.
An optical **light** intensity **sensor** (optical **sensor**) is used to measure the light reflected from a media having formed or applied thereon ...
...transfer function (OTF) of the optical system. This OTF is the response of the optical **sensor** from the **light** reflected from the media.
The spatial response of the sensor is the mapping of the...

...be defined mathematically as the "point spread function" (PSF), i.e. the response of the **detector** system to **light** from a point in space. FIG. 10C illustrates the spatial response of the sensor, determined...

11/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01011562
INTELLIGENT PRINTER COMPONENTS AND PRINTING SYSTEM
INTELLIGENTE DRUCKERKOMPONENTEN UND DRUCKSYSTEM
COMPOSANTS INTELLIGENTS D'IMPRIMANTE ET SYSTEME D'IMPRESSION AFFERENT
PATENT ASSIGNEE:
Encad, Inc., (2667770), 6059 Cornerstone Court West, San Diego, CA 92121, (US), (Proprietor designated states: all)
INVENTOR:
PURCELL, David, A., 851 Rosecrans Street, San Diego, CA 92106, (US)
MURRAY, Richard, A., 11066 Twinleaf Way, San Diego, CA 92131, (US)
DULL, Dan, J., 8715-20 Westmore Road, San Diego, CA 92126, (US)
LEGAL REPRESENTATIVE:
Barker, Brenda (79681), Kodak Limited Patent Department Headstone Drive, Harrow, Middlesex HA1 4TY, (GB)
PATENT (CC, No, Kind, Date): EP 986479 A2 000322 (Basic)
EP 986479 B1 031105
WO 98052762 981126
APPLICATION (CC, No, Date): EP 98915507 980409; WO 98US7324 980409
PRIORITY (CC, No, Date): US 47304 P 970520; US 30631 980225
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: B41J-002/01; B41J-002/17
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200345	388
CLAIMS B	(German)	200345	352
CLAIMS B	(French)	200345	427
SPEC B	(English)	200345	5813
Total word count - document A			0
Total word count - document B			6980
Total word count - documents A + B			6980

...SPECIFICATION of reflective tape placed on the flange 136 of the roll

insert 134 could be **sensed** optically by an LED/ **light sensor** mechanism in the stand. With this system, the number of revolutions performed is stored in...

...reduce the investment in training and experience required to produce high quality prints with an **ink jet printer** . Parameters which may advantageously be automatically adjusted include, but are not limited to: setting the...
...compatibility, expected print times, print costs, etc. Furthermore, the printer can prevent, for example, ink- **media** mismatch **errors** from being made, can prevent unacceptable cartridges or media from being used, and can prevent...

11/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00281613
PRECISION PAPER TRANSPORT SYSTEM.
PRAZISIONSPAPIERTRANSPORTSYSTEM.
SYSTEME DE TRANSPORT DE PAPIER DE HAUTE PRECISION.
PATENT ASSIGNEE:
VFN TECHNOLOGY, INC., (947780), 20863 Stevens Creek (S-330), Cupertino, CA 95016-0464, (US), (applicant designated states: DE;FR;GB;IT)
INVENTOR:
DeLACY, Thomas, Joseph, 2161 Deodora Drive, Los Altos, CA 94022, (US)
LEGAL REPRESENTATIVE:
Alexander, Thomas Bruce et al (27591), Boult, Wade & Tennant 27 Furnival Street, London EC4A 1PQ, (GB)
PATENT (CC, No, Kind, Date): EP 280699 A1 880907 (Basic)
EP 280699 A1 890927
EP 280699 B1 950621
WO 8800530 880128
APPLICATION (CC, No, Date): EP 87905064 870721; WO 87US1675 870721
PRIORITY (CC, No, Date): US 887660 860721
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: B41J-011/42; B65H-023/032; G01N-021/25; G03G-015/01; G05B-011/01;
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB95	1779
CLAIMS B	(German)	EPAB95	1610
CLAIMS B	(French)	EPAB95	2028
SPEC B	(English)	EPAB95	6783
Total word count - document A			0
Total word count - document B			12200
Total word count - documents A + B			12200

...SPECIFICATION the ruled spacing between the demarcations is used to determine and to compensate for positioning **error** due to **paper** shrinkage. However, while superb for its intended use with continuous motion drives and for relatively...

...single line indexing or swath printing. More pointedly, said teachings are directed at electrostatic colour **plotters** that employ a continuous

motion advance, and wherein the colour components constructed through multiple passes...the limitations of the prior art, relative positioning as taught herein compensates for both coupling **error** and **paper** shrinkage. In addition, the Versatec system prints colours serially, that is, one line at a...

...line width of the recording medium from a narrow film strip to an 80-column **paper** and assumed coupling **error** makes the transfer of technology difficult and not obvious. For example, mis-registration of successive...

...adopted or heretofore advanced for application to a precision paper drive system for printers or **plotters** .
In one aspect the invention provides a paper transport system for advancing and accurately positioning...photoemitter and the paper for uniformly dispersing or shaping the photobeam to achieve the desired **illumination** coverage for **detecting** said demarcations and/or paper. Photodetector 33 is comprised of a single elongate, directionally sensitive...

11/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00222344
Method of acquiring and interpreting seismic data to obtain lithological parameters.
Sammlungs- und Deutungsverfahren von seismischen Daten zur Erwerbung lithologischer Parameter.
Procede pour rassembler et interpreter des donnees sismiques pour l'obtention des parametres lithologiques.
PATENT ASSIGNEE:
Seislith Development, Inc., (792920), 717 17th Street Suite 2300, Denver Colorado 80202, (US), (applicant designated states: DE;FR;GB;IT)
INVENTOR:
Barney, William Meredith, 9591 E. Orchard Drive, Englewood Colorado 80111, (US)
LEGAL REPRESENTATIVE:
Lucas, Brian Ronald et al (33293), Lucas, George & Co. 135 Westhall Road, Warlingham Surrey CR3 9HJ, (GB)
PATENT (CC, No, Kind, Date): EP 216609 A2 870401 (Basic)
EP 216609 A3 880921
EP 216609 B1 910828
APPLICATION (CC, No, Date): EP 86307215 860919;
PRIORITY (CC, No, Date): US 777939 850919
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: G01V-001/00; G01V-001/28;
ABSTRACT WORD COUNT: 41

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	345
CLAIMS B	(German)	EPBBF1	329
CLAIMS B	(French)	EPBBF1	393
SPEC B	(English)	EPBBF1	7248
Total word count - document A			0
Total word count - document B			8315

Total word count - documents A + B 8315

...SPECIFICATION gas reservoirs by recognizing bright spots and flat spots on seismic sections.

A problem with **bright** spot and flat **spot detection** is that only **a** narrow range of conditions will allow their unambiguous recognition. In some circumstances, the lithological characteristics...Because the angle of incidence changes at each interface, successive iterations require successive trial and **error** passes of ray tracing **to** relate the angle of incidence to the measured offset. This invention is intended to eliminate...the prior common midpoint, and so on to form a parameter trace seismic section. Digital **plotters** commonly used in the industry are helpful for performing this step.

Special attention should be...

11/3,K/7 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

00479514 **Image available**

A SYSTEM FOR DISTRIBUTING AND CONTROLLING COLOR REPRODUCTION AT MULTIPLE SITES

SYSTEME DE DISTRIBUTION ET DE COMMANDE DE REPRODUCTION DE COULEURS AU NIVEAU DE SITES MULTIPLES

Patent Applicant/Assignee:
IMAGICOLOR CORPORATION,

Inventor(s):
HOLUB Richard A,
MONGEAU Daniel R,

Patent and Priority Information (Country, Number, Date):
Patent: WO 9910866 A1 19990304
Application: WO 98US17579 19980825 (PCT/WO US9817579)
Priority Application: US 9756947 19970825

Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English
Fulltext Word Count: 40002

Fulltext Availability:
Detailed Description
Claims

Detailed Description

... color measurement instrument comprises a housing, at least one sensor in the housing for converting **light** received by the **sensor** from the screen into electrical signals representative of the light, optics in the housing for focusing **light** onto the **sensor** , and a control circuitry for receiving the electrical signals from the sensor and converting the electrical signals into signals representative of the color or the **light** received by the **sensor** . A computer coupled to the color display

and converting said first electrical signals into second electrical signals representative of the color of the **light** received by said **sensor** .

22 The system according to Claim 21 further comprising a computer coupled to said display...light to said second input of said spectrograph for analyzing the spectrum of said received
light ; and
one or more **sensors** which also receives **light** from said first means in which said sensors provide information for checking the calibration of ...

...for supplying light to said sample.

37 The apparatus according to Claim 36 where said **illuminator** and said **sensor** are disposed adjacent to the surface of said sample without contacting said sample at about...

...to Claim 36 wherein said illuminator has a first polarizer for polarizing light from said **illuminator** , and said **sensor** has a second polarizer which cross polarizes the light received from said sample.

39 A...

11/3,K/8 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00473016 **Image available**
A CAMERA WITH INTERNAL PRINTING SYSTEM
APPAREIL PHOTOGRAPHIQUE A SYSTEME D'IMPRESSION INTERNE
Patent Applicant/Assignee:
SILVERBROOK RESEARCH PTY LIMITED,
SILVERBROOK Kia,
WALMSLEY Simon,
LAPSTUN Paul,
Inventor(s):
SILVERBROOK Kia,
WALMSLEY Simon,
LAPSTUN Paul,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9904368 A1 19990128
Application: WO 98AU544 19980715 (PCT/WO AU9800544)
Priority Application: AU 978003 19970715; AU 978005 19970715; AU 978031 19970715; AU 977991 19970715; AU 977998 19970715; AU 977988 19970715; AU 977993 19970715; AU 978012 19970715; AU 978017 19970715; AU 978014 19970715; AU 978025 19970715; AU 978032 19970715; AU 977999 19970715; AU 978024 19970715; AU 978016 19970715; AU 978030 19970715; AU 977938 19970715; AU 977997 19970715; AU 977979 19970715; AU 978015 19970715; AU 977978 19970715; AU 977982 19970715; AU 977989 19970715; AU 978019 19970715; AU 977980 19970715; AU 977942 19970715; AU 978018 19970715; AU 978021 19970715; AU 978000 19970715; AU 977940 19970715; AU 977939 19970715; AU 978020 19970715; AU 977985 19970715; AU 977987 19970715; AU 978022 19970715; AU 978029 19970715; AU 978023 19970715; AU 978028 19970715; AU 978027 19970715; AU 978026 19970715; AU 977983 19970715; AU 977986 19970715; AU 977981 19970715; AU 977977 19970715; AU 977934 19970715; AU 977990 19970715; AU 978497 19970811; AU 978505 19970811; AU 978498 19970811; AU 978504 19970811; AU 978501 19970811; AU 978500

magnifying a viewed distant object; a **sensing** systern for simultaneously **sensing** said viewed distant object; a processor means interconnected to said sensing systern for processing said...camera system comprising an image sensor for sensing an image; storage means for storing the **sensed** image and associated system structures; data input means for the insertion of an image modification data module for modification of the **sensed** image; processor means interconnected to the image sensor, the storage means and the data input...

...in addition to the manipulation of the sensed image; printer means for printing out the **sensed** image on demand on print media supplied to the printer means; and a method of...means for the control of the camera system in addition to the manipulation of the **sensed** image; printer means for printing out the **sensed** image on demand on print media supplied to the printer means; including providing an image...

...gravitational shock sensor, the diagnostic tests can include printing out an extreme value of the **sensor** .
In accordance with a fUrther aspect of the present invention, there is provided a camera...an integrated circuit comprising utilizing a circuit path attached to a random noise generator to **monitor** attempts at tampering with the integrated circuit.

The circuit path can include a first path...adding noise to an image, image enhancement filters, painting algorithms, brush jittering and manipulation edge **detection** filters, tiling, illunUnation via **light** sources, bump maps, text, face detection and object detection attributes, fonts, including three dimensional fonts...via a light-pipe (not shown).

The Artcard reader light-pipe can be a molded **light** -pipe which has several fUnction.

1. It diffuses the light frorn the LED over the...Illuminate image Cycles per pixel
Ambient only '/2 0.008 s 0.023 s
Directional **light** 1 0.015 s 0.045 s
Directionat (bm) 6 0.09 s 0.27...

Claim
... of an irnage sensed by said camera:
2 5 said camera including sensing means for **sensing** an image; **lighting** means for adding **lighting** to said **sensed** image to produce an **illuminated** Unage which simulates the effect of **light** sources projected at said **sensed** image; and display means for displaying said illuminated image. 264. A handheld camera as claimed...

11/3,K/9 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00436468 **Image available**
OPTICAL SENSOR FOR INK JET PRINTING SYSTEM
CAPTEUR OPTIQUE POUR SYSTEME D'IMPRESSION A JET D'ENCRE
Patent Applicant/Assignee:
HEWLETT-PACKARD COMPANY,
Inventor(s):

ELGEE Steven B,
LYTLE John D,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9826932 A1 19980625
Application: WO 97US23352 19971217 (PCT/WO US9723352)
Priority Application: US 96770534 19961218; US 97944597 19971006
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
DE GB JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 4020

Fulltext Availability:
Detailed Description

English Abstract
...printing media residing in a media plane. The module has a chassis and a connected **illumination** source and **detector** spaced apart from the media plane. An integral optical element is positioned between the image plane and the **illumination** source and **detector** . The optical element has a first portion having a first optical characteristic positioned on a ...

Detailed Description
... for each color so that the resulting output i registered. This is particularly critical for **plotters** printing on large **media sheets** , in which
small **errors** may accumulate to provide unacceptable output

To sense the position of the alignment patterns, an...to the printer

A first disadvantage of existing photosensor modules is size. The arrangement of **illuminator** and **detector** creates a bulky package, as the detector and lens must be ...printing media residing in a media plane. The module has a chassis and a connected **illumination** source and **detector** spaced apart ...plane. An integral single cluster optical element is positioned between the image plane and the **illumination** source and **detector** . The optical element has a first portion having a first optical characteristic positioned on a...the chassis, and a passage 72 extends downward along the vertical axis to provide a **light** path to the **detector**

At the lower face 50 of the chassis 36, a slot or rabbet 74 receives... surface in the illuminated location 106, and to deliver a stigmatic, highlycorrected image of the **illuminated** information to the **detector** plane at 100. In special cases, one surface of the imaging element 126 may be...

11/3,K/10 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00164416
STEREOLITHOGRAPHIC CURL REDUCTION
REDUCTION DE PLISSEMENTS EN STEREOLITHOGRAPHIE
Patent Applicant/Assignee:

3D SYSTEMS INC,
Inventor(s):
HULL Charles William,
SPENCE Stuart T,
LEWIS Charles W,
VINSON Wayne B,
FREED Wayne S,
SMALLEY Dennis Rollette,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8910801 A1 19891116
Application: WO 89US1558 19890417 (PCT/WO US8901558)
Priority Application: US 88823 19880418; US 89246 19890417
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
JP KR
Publication Language: English
Fulltext Word Count: 178550

Fulltext Availability:
Detailed Description

Detailed Description
... from liquid to solid in
the presence of light and their photospeed with ultra
violet **light** (UV) is fast enough to make them practical
model building materials. The material that is...curable material,
one on top of the other. A programmed movable spot beam
of UV **light** shining on a surface or layer of UV curable
liquid is used to form a...then down fills
then up fills
SLICE outputs the blocks in the following order.

SUBSTITUTE **SHEET**
m82 * 110*m
L Layer identifier, no vectors
2* LB Layer Border
3* LK Layer...

11/3,K/11 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00143650
PRECISION PAPER TRANSPORT SYSTEM
SYSTEME DE TRANSPORT DE PAPIER DE HAUTE PRECISION
Patent Applicant/Assignee:
VFN,
Inventor(s):
DeLACY Thomas Joseph,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8800530 A1 19880128
Application: WO 87US1675 19870721 (PCT/WO US8701675)
Priority Application: US 86660 19860721
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
DE FR GB IT JP

Publication Language: English
Fulltext Word Count: 8675

Fulltext Availability:
Detailed Description
Detailed Description
... width
of the recording medium from a narrow f ilm strip to an 80-column **paper** and assumed coupling **error** makes the transfer of technology difficult and not obvious. For example, misregistration of successive line...

...adopted or heretofore
advanced for application to a precision paper drive system for printers or **plotters** .

Summary of the Invention
It is therefore an object of this invention to provide an...photoemitter and the paper for uniformly dispersing or shaping the photobeam to achieve the desired **illumination** coverage for **detecting** said demar cations and/or paper. Photodetector 33 is comprised of a single elongated, directionally...the photodetector. A suitable lens 36 is employed to direct said reflected or otherwise transmitted **light** to photo **detector** 33, so as to create a signal. corresponding to the signature image of the sensed...

15/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01447040
An ink jet printer equipped for aligning the printheads
Tintenstrahldrucker ausgerustet zum Ausrichten von Druckkopfen
Imprimante jet d'encre equipee pour aligner les tetes d'impression
PATENT ASSIGNEE:
AGFA-GEVAERT, (200395), Septestraat 27, 2640 Mortsel, (BE), (Applicant designated States: all)
INVENTOR:
Vanden Wyngaert, Hilbrand, Agfa-Gevaert N.V. Corp. IP Dept. 3800 Septestr. 27, 2640, Mortsel, (BE)
PATENT (CC, No, Kind, Date): EP 1238813 A1 020911 (Basic)
APPLICATION (CC, No, Date): EP 2001000045 010308;
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: B41J-029/393; B41J-002/155; B41J-002/21
ABSTRACT WORD COUNT: 67
NOTE:
Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200237	567
SPEC A	(English)	200237	6349
Total word count - document A			6916
Total word count - document B			0
Total word count - documents A + B			6916

...SPECIFICATION 250 956 titled Print Cartridge Bi-directional Alignment
In US-A-5 534 895 the **ink - jet printer** is equipped with a source of illumination that is passed across a **test pattern** having features indicative of printhead structure alignment and discernible under the illumination. The source of illumination is connected to circuitry that **determines** the variation in **light** intensity of the **test pattern** . A value indicative of the misalignment is calculated and used to correct the timing of...

15/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01046419
Photosensitive material processing apparatus
Gerat zur Behandlung fotoempfindlichen Materials
Appareil pour le traitement de materiau photosensible
PATENT ASSIGNEE:
Fuji Photo Film Co., Ltd., (202402), 210 Nakanuma Minamiashigara-shi, Kanagawa-ken, (JP), (Proprietor designated states: all)
INVENTOR:
Sugita, Yukio, 798 Miyanodai, Kaisei-machi Ashigarakami-gun, Kanagawa-ken , (JP)
Kimura, Youichi, 798 Miyanodai, Kaisei-machi Ashigarakami-gun, Kanagawa-ken, (JP)

Shiota, Kazuo, 798 Miyanodai, Kaisei-machi Ashigarakami-gun, Kanagawa-ken , (JP)
LEGAL REPRESENTATIVE:
Klunker . Schmitt-Nilson . Hirsch (101001), Winzererstrasse 106, 80797 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 924558 A1 990623 (Basic)
EP 924558 B1 011114
APPLICATION (CC, No, Date): EP 99101154 940803;
PRIORITY (CC, No, Date): JP 93193609 930804
DESIGNATED STATES: DE; FR; GB
RELATED PARENT NUMBER(S) - PN (AN):
EP 638839 (EP 94112132)
INTERNATIONAL PATENT CLASS: G03B-027/32; H04N-001/047
ABSTRACT WORD COUNT: 167
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199925	194
CLAIMS B	(English)	200146	289
CLAIMS B	(German)	200146	250
CLAIMS B	(French)	200146	302
SPEC A	(English)	199925	10601
SPEC B	(English)	200146	8395
Total word count - document A			10796
Total word count - document B			9236
Total word count - documents A + B			20032

...SPECIFICATION of the nip rollers 12B should preferably be directly driven by a motor.

As described **above** , the **mark** 22 is not limited to the hole and may be formed by an **ink jet printer** , or the like. In accordance with the type of the mark 22, the sensor 34 may be changed to a **sensor** for **detecting light** , which has passed through the photosensitive material A, a **sensor** for **detecting light** , which has been reflected by the photosensitive material A, an infrared sensor, or the like position of the sensor 34. In such cases, an **ink jet printer** , or the like, should preferably be utilized as the mark forming means such that no...

...SPECIFICATION of the nip rollers 12B should preferably be directly driven by a motor.

As described **above** , the **mark** 22 is not limited to the hole and may be formed by an **ink jet printer** , or the like. In accordance with the type of the mark 22, the sensor 34 may be changed to a **sensor** for **detecting light** , which has passed through the photosensitive material A, a **sensor** for **detecting light** , which has been reflected by the photosensitive material A, an infrared sensor, or the like...

...22 may be formed at the position of the sensor 34. In such cases, an **ink jet printer** , or the like, should preferably be utilized as the mark forming means such that no...

15/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01044300

Photosensitive material exposing apparatus

Gerat zur Belichtung fotoempfindlichen Materials

Appareil d' exposition de materiau photosensible

PATENT ASSIGNEE:
Fuji Photo Film Co., Ltd., (202402), 210 Nakanuma Minamiashigara-shi, Kanagawa-ken, (JP), (Proprietor designated states: all)
INVENTOR:
Sugita, Yukio, 798 Miyanodai, Kaisei-machi, Ashigarakami-gun, Kanagawa-ken, (JP)
Kimura, Youichi, 798 Miyanodai, Kaisei-machi, Ashigarakami-gun, Kanagawa-ken, (JP)
LEGAL REPRESENTATIVE:
Klunker . Schmitt-Nilson . Hirsch (101001), Winzererstrasse 106, 80797 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 922993 A1 990616 (Basic)
EP 922993 B1 021120
APPLICATION (CC, No, Date): EP 99101129 940803;
PRIORITY (CC, No, Date): JP 93193609 930804
DESIGNATED STATES: DE; FR; GB
RELATED PARENT NUMBER(S) - PN (AN):
EP 638839 (EP 94112132)
INTERNATIONAL PATENT CLASS: G03B-027/32
ABSTRACT WORD COUNT: 166
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199924	186
CLAIMS B	(English)	200247	399
CLAIMS B	(German)	200247	358
CLAIMS B	(French)	200247	421
SPEC A	(English)	199924	10603
SPEC B	(English)	200247	8259
Total word count - document A			10790
Total word count - document B			9437
Total word count - documents A + B			20227

...SPECIFICATION of the nip rollers 12B should preferably be directly driven by a motor.

As described **above** , the **mark** 22 is not limited to the hole and may be formed by an **ink jet printer** , or the like. In accordance with the type of the mark 22, the sensor 34 may be changed to a **sensor** for **detecting light** , which has passed through the photosensitive material A, a **sensor** for **detecting light** , which has been reflected by the photosensitive material A, an infrared sensor, or the like the position of the sensor 34. In such cases, an **ink jet printer** , or the like, should preferably be utilized as the mark forming means such that no...

...SPECIFICATION of the nip rollers 12B should preferably be directly driven by a motor.

As described **above** , the **mark** 22 is not limited to the hole and may be formed by an **ink jet printer** , or the like. In accordance with the type of the mark 22, the sensor 34 may be changed to a **sensor** for **detecting light** , which has passed through the photosensitive material

A, a **sensor** for **detecting light** , which has been reflected by the photosensitive material A, an infrared sensor, or the like...

...22 may be formed at the position of the sensor 34. In such cases, an **ink jet printer** , or the like, should preferably be utilized as the mark forming means such that no...

15/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01033865
Photosensitive material processing apparatus
Gerat zur Behandlung photoempfindlichen Materials
Appareil pour le traitement de materiau photosensible
PATENT ASSIGNEE:
Fuji Photo Film Co., Ltd., (202402), 210 Nakanuma Minamiashigara-shi, Kanagawa-ken, (JP), (Proprietor designated states: all)
INVENTOR:
Tahara, Toshiro, 798 Miyanodai, Kaisei-machi,, Ashigarakami-gun, Kanagawa-ken, (JP)
Sugita, Yukio, 798 Miyanodai, Kaisei-machi,, Ashigarakami-gun, Kanagawa-ken, (JP)
Kimura, Youichi, 798 Miyanodai, Kaisei-machi,, Ashigarakami-gun, Kanagawa-ken, (JP)
LEGAL REPRESENTATIVE:
Klunker . Schmitt-Nilson . Hirsch (101001), Winzererstrasse 106, 80797 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 918249 A1 990526 (Basic)
EP 918249 B1 030521
APPLICATION (CC, No, Date): EP 99101127 940803;
PRIORITY (CC, No, Date): JP 93193609 930804
DESIGNATED STATES: DE; FR; GB
RELATED PARENT NUMBER(S) - PN (AN):
EP 638839 (EP 94112132)
INTERNATIONAL PATENT CLASS: G03B-027/32; H04N-001/047
ABSTRACT WORD COUNT: 168
NOTE:
Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199921	151
CLAIMS B	(English)	200321	214
CLAIMS B	(German)	200321	191
CLAIMS B	(French)	200321	241
SPEC A	(English)	199921	10601
SPEC B	(English)	200321	8214
Total word count - document A			10753
Total word count - document B			8860
Total word count - documents A + B			19613

...SPECIFICATION of the nip rollers 12B should preferably be directly driven by a motor.

As described **above** , the **mark** 22 is not limited to the hole and may be formed by an **ink jet printer** , or the like. In accordance with the type of the mark 22, the sensor 34 may be changed to a **sensor** for

detecting light , which has passed through the photosensitive material A, a **sensor** for **detecting light** , which has been reflected by the photosensitive material A, an infrared sensor, or the like position of the sensor 34. In such cases, an **ink jet printer** , or the like, should preferably be utilized as the mark forming means such that no...

...SPECIFICATION of the nip rollers 12B should preferably be directly driven by a motor.

As described **above** , the **mark** 22 is not limited to the hole and may be formed by an **ink jet printer** , or the like. In accordance with the type of the mark 22, the sensor 34 may be changed to a **sensor** for **detecting light** , which has passed through the photosensitive material A, a **sensor** for **detecting light** , which has been reflected by the photosensitive material A, an infrared sensor, or the like...

...22 may be formed at the position of the sensor 34. In such cases, an **ink jet printer** , or the like, should preferably be utilized as the mark forming means such that no...

15/3,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

01032496

MEASURING, SENSING, AND DIAGNOSING APPARATUS AND METHOD RELATING TO WAVE PULSE, CARDIAC FUNCTION, AND, MOTION INTENSITY

VORRICHTUNG UND VERFAHREN ZUM MESSEN, FUHLEN UND DIAGNOSTIZIEREN DES PULSES, DES HERZSCHLAGS UND DES AUSMASSES VON BEWEGUNGEN

PROCEDE ET APPAREIL DE MESURE, DE DETECTION ET DE DIAGNOSTIC D'UN SIGNAL IMPULSIONNEL, DE LA FONCTION CARDIAQUE ET DE L'INTENSITE DE MOUVEMENT

PATENT ASSIGNEE:
SEIKO EPSON CORPORATION, (730004), 4-1, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo 163-0811, (JP), (Applicant designated States: all)
INVENTOR:
AMANO, Kazuhiko, Seiko Epson Corporation 3-5, Owa 3-chome Suwa-shi, Nagano 392-8502, (JP)
UEBABA, Kazuo, 19-3, Edakita 3-chome Aoba-ku Yokohama-shi, Kanagawa 225-0015, (JP)
ISHIYAMA, Hitoshi, 3-18, Toride 3-chome Toride-shi, Ibaraki 302-0004, (JP)
LEGAL REPRESENTATIVE:
Sturt, Clifford Mark et al (50502), Miller Sturt Kenyon 9 John Street, London WC1N 2ES, (GB)

PATENT (CC, No, Kind, Date): EP 947160 A1 991006 (Basic)
WO 9909884 990304
APPLICATION (CC, No, Date): EP 98928556 980618; WO 98JP2706 980618
PRIORITY (CC, No, Date): JP 97230075 970826; JP 97275500 971008; JP 97301332 971031
DESIGNATED STATES: DE; GB
INTERNATIONAL PATENT CLASS: A61B-005/02
ABSTRACT WORD COUNT: 124
NOTE:
Figure number on first page: 4

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:
Available Text Language Update Word Count

CLAIMS A (English) 9940 15924
SPEC A (English) 9940 64875
Total word count - document A 80799
Total word count - document B 0
Total word count - documents A + B 80799

...SPECIFICATION means for correcting analyzed pulse wave data based by normalizing the power at each frequency **based** on each corresponding bandwidth in the frequency regions, and generating corrected pulse wave data; a...modification in Chapter 1.

FIGs. 32A-32C are diagrams showing an example of a transmitted **light** -type pulse wave **sensor** according to a modification in Chapter 1.

FIG. 33A and FIG. 33B are an orthogonal...blood vessels and tissues, received by photo transistor 33, and pulse wave signal M is **detected** .

The wavelength of the **light** emitted by the LED is selected to be in the vicinity of the absorption wavelength...

...response to the amount of blood flow. Thus, the pulse waveform can be detected by **detecting** the level of received **light** .

A InGaN-type (indium-gallium-nitrogen) blue LED is suitably employed for the LED 32...

...nm) having large absorption characteristics matching the absorption characteristics of hemoglobin is employed as the **light** which is **detected** , the **detected** values therefor vary with good sensitively in response to changes in blood volume. Thus, it...

15/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00952401
Detection of printhead nozzle functionality by optical scanning of a test pattern
Erfassung von Strahldusenfehlern durch optisches Abtasten eines Probemusters
Detection de fonctionnement des buses a jet d'encre par balayage optique d'un motif d'essai
PATENT ASSIGNEE:
Hewlett-Packard Company, A Delaware Corporation, (3016020), 3000 Hanover Street, Palo Alto, CA 94304, (US), (Proprietor designated states: all)
INVENTOR:
Armijo, Chris T., 9656 Oviedo Street, San Diego, CA 92129, (US)
Gaston, Gonzalo, Avda, Graells 501, 08190 San Cugat del Valles, (ES)
Lagares, Javier, Avda, Graells 501, 08190 San Cugat del Valles, (ES)
Gil, Antoni, Avda, Graells 501, 08190 San Cugat del Valles, (ES)
Guerrero, Francisco, Pau Casals 47-49 2o 2a, San Cugat del Valles, 08190 Barcelona, (ES)
Subirada, Francesc, Francesc Macia,5A baixos 1a, 08755 Castellbisbal, Barcelona, (ES)
LEGAL REPRESENTATIVE:
Carpmaels & Ransford (101821), 43 Bloomsbury Square, London WC1A 2RA, (GB)
PATENT (CC, No, Kind, Date): EP 863012 A1 980909 (Basic)
EP 863012 B1 030108
APPLICATION (CC, No, Date): EP 98301571 980303;
PRIORITY (CC, No, Date): US 811412 970304

DESIGNATED STATES: DE; ES; GB
INTERNATIONAL PATENT CLASS: B41J-002/165
ABSTRACT WORD COUNT: 140
NOTE:
Figure number on first page: 12

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199837	197
CLAIMS B	(English)	200302	278
CLAIMS B	(German)	200302	283
CLAIMS B	(French)	200302	354
SPEC A	(English)	199837	2049
SPEC B	(English)	200302	2119
Total word count - document A			2246
Total word count - document B			3034
Total word count - documents A + B			5280

...ABSTRACT A1
A nozzle detection **test pattern** has been developed which can be sensed by an optical sensor located on an **inkjet printer** carriage. By having the same nozzle print ink drops on multiple pixels to form a...

...of the printhead, it is possible to thereafter scan across such test line and automatically **determine** by the **light** contrast ratios which nozzles are not firing properly. A green light LED is uded to illuminate the magenta, cyan and black **test patterns** as they are being **sensed**, and a blue **light** LED is used to illuminate the yellow **test pattern** as it is being sensed. A separate **test pattern** is used for each printhead ink color. The **test pattern** constitutes six rows with forty test lines on each row for a printhead having 240...

...SPECIFICATION a simple technique for monitoring nozzle functionality.

BRIEF SUMMARY OF THE INVENTION
A nozzle detection **test pattern** has been developed which can be sensed by an optical sensor located on an **inkjet printer** carriage. By having the same nozzle print ink drops on multiple pixels to form a...

...of the printhead, it is possible to thereafter scan across such test line and automatically **determine** by the **light** contrast ratios which nozzles are not firing properly. A green light LED is used to illuminate the magenta, cyan and black **test patterns** as they are being **sensed**, and a blue **light** LED is used to illuminate the yellow **test pattern** as it is being sensed. A separate **test pattern** is used for each printhead ink color. The **test pattern** constitutes six rows with forty test lines on each row for a printhead having 240...

...SPECIFICATION determining nozzle functionality in an inkjet printer as defined in claim 5.
A nozzle detection **test pattern** has been developed which can be sensed by an optical sensor located on an **inkjet printer** carriage. By having the same nozzle print ink drops on multiple pixels to form a...

...of the printhead, it is possible to thereafter scan across such test line and automatically **determine** by the **light** contrast ratios which nozzles are not firing properly. A green light LED is used to illuminate

the magenta, cyan and black **test patterns** as they are being **sensed** , and a blue **light** LED is used to illuminate the yellow **test pattern** as it is being sensed. A separate **test pattern** is used for each printhead ink color. The **test pattern** constitutes six rows with forty test lines on each row for a printhead having 240...

15/3,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00680224
Method and apparatus for measuring drop-volume in ink-jet printers
Verfahren und Vorrichtung zur Messung des Tropfchenvolumens in einem Farbstrahldruckkopf
Procede et dispositif pour mesurer le volume des gouttelettes dans une tete d'impression par jet d'encre
PATENT ASSIGNEE:
Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto, California 94304, (US), (Proprietor designated states: all)
INVENTOR:
Lesniak, Christopher M., 15203 NE 11th Circle, Vancouver, WA 98684, (US)
LEGAL REPRESENTATIVE:
Colgan, Stephen James et al (29461), CARPMAELS & RANSFORD 43 Bloomsbury Square, London WC1A 2RA, (GB)
PATENT (CC, No, Kind, Date): EP 650839 A2 950503 (Basic)
EP 650839 A3 951129
EP 650839 B1 990915
APPLICATION (CC, No, Date): EP 94307811 941025;
PRIORITY (CC, No, Date): US 144988 931029
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: B41J-002/195; B41J-002/205; B41J-029/393
ABSTRACT WORD COUNT: 123
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9937	808
CLAIMS B	(German)	9937	797
CLAIMS B	(French)	9937	960
SPEC B	(English)	9937	3960
Total word count - document A			0
Total word count - document B			6525
Total word count - documents A + B			6525

...SPECIFICATION consistent print quality, ink dry time, and pen life.
EP-A-461,759 discloses an **ink - jet printer** having a platen, an **ink - jet** printhead disposed adjacent to, but spaced from, the platen to permit passage of recording media...

...for depositing drops of ink onto the recording media to form printed images, an optical **sensor** having a **light** source oriented to emit a light beam toward the platen and a **light** sensitive **detector** aligned to **detect** reflected **light** , and a memory for storing a plurality of **test** print **patterns** .

Disclosure of the Invention
According to one aspect of this invention, a method for measuring...

15/3,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00664780
Photosensitive material processing apparatus
Gerat zur Behandlung von lichtempfindlichen Materialien
Appareil pour le traitement de materiaux photosensibles
PATENT ASSIGNEE:
Fuji Photo Film Co., Ltd., (202402), 210 Nakanuma Minamiashigara-shi, Kanagawa-ken, (JP), (Proprietor designated states: all)
INVENTOR:
Tahara, Toshiro, c/o Fuji Photo Film Co., Ltd., 798 Miyanodai, Kaisei-machi, Ashigarakami-gun, Kanagawa-ken, (JP)
Sugita, Yukio, c/o Fuji Photo Film Co., Ltd., 798 Miyanodai, Kaisei-machi, Ashigarakami-gun, Kanagawa-ken, (JP)
Kimura, Youichi, c/o Fuji Photo Film Co., Ltd., 798 Miyanodai, Kaisei-machi, Ashigarakami-gun, Kanagawa-ken, (JP)
Shiota, Kazuo, c/o Fuji Photo Film Co., Ltd., 798 Miyanodai, Kaisei-machi, Ashigarakami-gun, Kanagawa-ken, (JP)
Kuriyama, Haruyoshi c/o Fuji Photo Film Co., Ltd.,, 798 Miyanodai, Kaisei-machi, Ashigarakami-gun, Kanagawa-ken, (JP)
LEGAL REPRESENTATIVE:
Klunker . Schmitt-Nilson . Hirsch (101001), Winzererstrasse 106, 80797 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 638839 A2 950215 (Basic)
EP 638839 A3 950503
EP 638839 B1 010314
APPLICATION (CC, No, Date): EP 94112132 940803;
PRIORITY (CC, No, Date): JP 93193609 930804
DESIGNATED STATES: DE; FR; GB
RELATED DIVISIONAL NUMBER(S) - PN (AN):
EP 918249 (EP 99101127)
EP 922993 (EP 99101129)
EP 924558 (EP 99101154)
INTERNATIONAL PATENT CLASS: G03B-027/32; H04N-001/047
ABSTRACT WORD COUNT: 178
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	1223
CLAIMS B	(English)	200111	440
CLAIMS B	(German)	200111	407
CLAIMS B	(French)	200111	496
SPEC A	(English)	EPABF2	10607
SPEC B	(English)	200111	8706
Total word count - document A			11831
Total word count - document B			10049
Total word count - documents A + B			21880

...SPECIFICATION of the nip rollers 12B should preferably be directly driven by a motor.

As described **above** , the **mark** 22 is not limited to the hole and may be formed by an **ink jet printer** , or the like. In accordance with the type of the mark 22, the sensor 34 may be changed to a **sensor** for **detecting light** , which has passed through the photosensitive material A, a **sensor** for **detecting light** , which has been reflected by the photosensitive material A, an infrared sensor, or the like...

...22 may be formed at the position of the sensor 34. In such cases, an **ink jet printer** , or the like, should preferably be utilized as the mark forming means such that no...

...SPECIFICATION of the nip rollers 12B should preferably be directly driven by a motor.

As described **above** , the **mark** 22 is not limited to the hole and may be formed by an **ink jet printer** , or the like. In accordance with the type of the mark 22, the sensor 34 may be changed to a **sensor** for **detecting light** , which has passed through the photosensitive material A, a **sensor** for **detecting light** , which has been reflected by the photosensitive material A, an infrared sensor, or the like...

15/3,K/9 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

00643063

Multiple ink jet print cartridge alignment system

Abgleichsystem fur Mehrfach-Tintenstrahldruckpatronen

Systeme pour l'alignement de cartouches d'impression par jet d'encre multiples

PATENT ASSIGNEE:
Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto, California 94304, (US), (applicant designated states: DE;ES;FR;GB;IT)
INVENTOR:
Cobbs, Keith E., 3565 Monroe Avenue, San Diego, California 92116, (US)
Beauchamp, Robert W., 4802 Refugio Avenue, Carlsbad, California 92008, (US)
Sorenson, Paul R., 5561 La Cuenta, San Diego, California 92124, (US)
LEGAL REPRESENTATIVE:
Powell, Stephen David et al (52311), WILLIAMS, POWELL & ASSOCIATES 4 St Paul's Churchyard, London EC4M 8AY, (GB)

PATENT (CC, No, Kind, Date): EP 622239 A2 941102 (Basic)
EP 622239 A3 950830
EP 622239 B1 980826
APPLICATION (CC, No, Date): EP 94106215 940421;
PRIORITY (CC, No, Date): US 55624 930430
DESIGNATED STATES: DE; ES; FR; GB; IT
INTERNATIONAL PATENT CLASS: B41J-025/34; B41J-002/21;
ABSTRACT WORD COUNT: 308

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9835	337
CLAIMS B	(German)	9835	367
CLAIMS B	(French)	9835	417
SPEC B	(English)	9835	5180
Total word count - document A			0

Total word count - document B 6301
Total word count - documents A + B 6301

...ABSTRACT A2
An improved image registration system for a multi-color **inkjet printer / plotter** (10) is disclosed. The inventive system comprises a carriage assembly (100) for retaining multiple inkjet...

...The sensed signals are processed to provide collected timing signals. In a particular embodiment, a **test patters** (40) is generated and illuminated by a **light** source (232) in the **sensor** module (200). The **light** source (232) has spectral energy in the color bands of interest. The **test pattern** (40) includes a plurality of images which when scanned by the sensor module (200) allows...

...provide corrected timing signals for activation of the nozzles. By detecting the position of the **pattern** , the **misalignment** of a particular pen may be corrected. (see image in original document)

15/3,K/10 (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00643057
Multiple ink jet print cartridge alignment system
Abgleichsystem fur Mehrfach-Tintenstrahldruckpatronen
Systeme pour alignement de cartouches d'impression par jet d'encre multiples
PATENT ASSIGNEE:
Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto, California 94304, (US), (applicant designated states: DE;ES;FR;GB;IT)
INVENTOR:
Beauchamp, Robert W., 4802 Refugio Avenue, Carlsbad, California 92008, (US)
Cobbs, Keith E., 3565 Monroe Avenue, San Diego, California 92116, (US)
Sorenson, Paul R., 5561 La Cuenta, San Diego, California 92124, (US)
LEGAL REPRESENTATIVE:
Powell, Stephen David et al (52311), WILLIAMS, POWELL & ASSOCIATES 4 St Paul's Churchyard, London EC4M 8AY, (GB)
PATENT (CC, No, Kind, Date): EP 622236 A2 941102 (Basic)
EP 622236 A3 950830
EP 622236 B1 980826
APPLICATION (CC, No, Date): EP 94106209 940421;
PRIORITY (CC, No, Date): US 55621 930430
DESIGNATED STATES: DE; ES; FR; GB; IT
INTERNATIONAL PATENT CLASS: B41J-025/34; B41J-002/21;
ABSTRACT WORD COUNT: 308

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9835	320
CLAIMS B	(German)	9835	335
CLAIMS B	(French)	9835	375
SPEC B	(English)	9835	5172

Total word count - document A 0
Total word count - document B 6202

Total word count - documents A + B 6202

...ABSTRACT A2
An improved media axis image registration system for a multi-color **inkjet printer / plotter** (10). The inventive system comprises a carriage assembly (100) for retaining multiple inkjet cartridges (102...

...ink onto the media (30) and create an image thereon in the form of a **test pattern** (40) in response to timing signals. The inventive system includes a sensor module (200) which...

...accordance with position encoder signals to provide corrected timing signals. In a particular embodiment, the **test pattern** (140) is illuminated by a **light** source (232) in the **sensor** module (200). The **light** source (230) has spectral energy in the color bands of interest. The **test pattern** (40) includes a plurality of vertically spaced bars which, when scanned by the sensor module...

...the corrected timing signals for activation of the nozzles. By detecting the position of the **pattern** (40), the **misalignment** of a particular pen may be corrected. (see image in original document)

15/3,K/11 (Item 11 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00212957
Interferometer including stationary, electrically alterable, optical masking device.
Interferometer mit einer ortsfesten, elektrisch steuerbaren, optischen Maskenvorrichtung.
Interferometre comprenant un dispositif statique, modifiable par commande electrique pour realiser un masquage optique.
PATENT ASSIGNEE:
Bruker Analytische Messtechnik GmbH, (480000), Silberstreifen, W-7512 Rheinstetten-Forchheim, (DE), (applicant designated states: DE;FR;GB)
INVENTOR:
Fateley, William G., 1928 Leavenworth, Manhattan Kansas 66502, (US)
LEGAL REPRESENTATIVE:
KOHLER SCHMID + PARTNER Patentanwalte (100201), Ruppmannstrasse 27, W-7000 Stuttgart 80, (DE)
PATENT (CC, No, Kind, Date): EP 228702 A2 870715 (Basic)
EP 228702 A3 880706
EP 228702 B1 910626
APPLICATION (CC, No, Date): EP 86118013 861223;
PRIORITY (CC, No, Date): US 816821 860107
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G01J-003/453; G02F-001/17; G02F-001/01;
ABSTRACT WORD COUNT: 144

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language Update Word Count
CLAIMS B (English) EPBBF1 685
CLAIMS B (German) EPBBF1 577
CLAIMS B (French) EPBBF1 767
SPEC B (English) EPBBF1 3168

Total word count - document A 0
Total word count - document B 5197
Total word count - documents A + B 5197

...SPECIFICATION 269-273 of Applied Optics, Vol. 23, No. 2, January 15, 1984. The photodiode array **detects** the **bright** regions in the **interference pattern** and converts these into electrical analog signals. The photodiode array is electrically coupled with a minicomputer which scans the array and converts the analog signals into digital signals for **digital** processing. The photodiode array permits quantitative **detection** of the **interference pattern** , and the microcomputer permits quick processing of the **interference pattern** data to mathematically construct an interferogram illustrative of the electromagnetic frequencies present and also their amptitudes. An interferogram so produced can be displayed on a **cathode ray** tube, X-Y **plotter** or stored on magnetic **discs** , **magnetic** tape, or the like.
The photodiode arrangement discussed above is useful for visible spectrum light, but presents problems when applied to infrared radiation. Analysis of infrared radiation presents special problems **because** known detectors are subject to extraneous infrared radiation which introduces "noise" into the infrared signal...

15/3,K/12 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00272642
MONITORING EQUIPMENT
APPAREIL DE CONTROLE
Patent Applicant/Assignee:
MILESTONE OY,
KUPIAINEN Juhani,
SEPPONEN Raimo,
Inventor(s):
KUPIAINEN Juhani,
SEPPONEN Raimo,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9420818 A1 19940915
Application: WO 94FI85 19940309 (PCT/WO FI9400085)
Priority Application: FI 931050 19930309
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU CA JP US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 3464
Fulltext Availability:
Claims

Claim
... material, and
the adhesion between the substances and TV wall affect the properties of the **sensor** .
When using **light** energy it has been experimentally found advantageous to choose the TV material, inner diameter and...of which are described for
example in publications Tompkins W.J. and Webster J.G.:

Design of microcomputer- **based** medical instrumentation,
Prentice-Hall Inc, Englewood Cliffs, New Jersey, 1981 ja
Webster J.G.: Biomedical...

...Edition,
Prentice-Hall Inc, Englewood Cliffs, New Jersey, 1991.
In another way to accomplish the **sensor** ,, RD observes
changes of **light** in TV or in a ref lector outside of TV,
which light is transmitted from...movements and other associated entities
there can be registering means connected to CP such as
plotter , oscilloscope, tape station., electrical memory,
hard disk, magnetic disk station,
With the sensor it is...

19/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01283728
Spectrophotometer for color printer with displacement insensitive optics
Versetzungsunempfindliches Spektrophotometer fur Farbdruckgerat
Spectrophotometre pour imprimante couleur pourvu d'une optique insensible aux deplacements
PATENT ASSIGNEE:
Xerox Corporation, (219787), Xerox Square - 20A, 100 Clinton Avenue South , Rochester, New York 14644, (US), (Applicant designated States: all)
INVENTOR:
Hubble III, Fred F., 180 Beaconview Court, Rochester, NY 14617, (US)
Kubby, Joel A., 63 Spring Valley Drive, Rochester, NY 14622, (US)
LEGAL REPRESENTATIVE:
Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721) , Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1103799 A2 010530 (Basic)
EP 1103799 A3 031001
APPLICATION (CC, No, Date): EP 2000125513 001121;
PRIORITY (CC, No, Date): US 448774 991124; US 535007 000323
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G01J-003/52; G01J-003/02; H04N-001/60; G01J-003/46
ABSTRACT WORD COUNT: 117
NOTE:
Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200122	716
SPEC A	(English)	200122	9299
Total word count - document A			10015
Total word count - document B			0
Total word count - documents A + B			10015

...SPECIFICATION chip architecture to provide a very compact and cost effective device.
An additional conventional LED **light** emitter and **detector** may be integrated or separately mounted to detect black and white fiduciary or control signals...

...appreciated that with sufficiently accurate sheet timing and positional information already conventionally provided in the **printer** 20 controller 100 that such fiducial marks 33 may not be needed, and the time...

...the known timing position of the lead edge of each test sheet 30 within the **paper** path 40.
Individual **calibration** of each of the spectrophotometer's LED spectral energy outputs may be done by using...

19/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00875771
Method and apparatus for calibrating iris of photographic printer
Verfahren und Vorrichtung zum Justieren der Irisblenden eines photographischen Kopiergerats
Procede et dispositif d'etalonnage des diaphragmes iris pour imprimante photographique
PATENT ASSIGNEE:
EASTMAN KODAK COMPANY, (201212), 343 State Street, Rochester, New York 14650, (US), (applicant designated states: CH;DE;FR;LI)
INVENTOR:
Hawver, Jeffery Richard, Eastman Kodak Company, 343 State Street, Rochester, New York 14650-2201, (US)
O'Brien, Michael Joseph, Eastman Kodak Company, 343 State Street, Rochester, New York 14650-2201, (US)
Rivers, Andrea S., Eastman Kodak Company, 343 State Street, Rochester, New York 14650-2201, (US)
LEGAL REPRESENTATIVE:
Blickle, K. Werner, Dipl.-Ing. et al (2112), KODAK AKTIENGESELLSCHAFT Patentabteilung, 70323 Stuttgart, (DE)
PATENT (CC, No, Kind, Date): EP 802450 A1 971022 (Basic)
APPLICATION (CC, No, Date): EP 97200972 970402;
PRIORITY (CC, No, Date): US 632204 960415
DESIGNATED STATES: CH; DE; FR; LI
INTERNATIONAL PATENT CLASS: G03B-027/80; G03B-027/72;
ABSTRACT WORD COUNT: 94

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9710W3	1124
SPEC A	(English)	9710W3	5273
Total word count - document A			6397
Total word count - document B			0
Total word count - documents A + B			6397

...SPECIFICATION elements of structure in each of the several Figures. Figure 1 shows schematically a photographic **printer** 10 in which the invention can be used. A light source 12 projects light through...

...light 32 is projected to an image plane at which a strip 34 of photographic **paper** is positioned. A selectively positionable **calibration** sensor or photometer 36 may be selectively positioned near the image plane to measure intensity...
...and iris diaphragm assembly. Alternatively, a mirror may be positioned within beam 32 to reflect **light** to a **sensor** , not illustrated. An actuator 38 is operatively connected to sensor 36 to control its movement ...

...paper 34, under the guidance of a conventional programmable controller 40. For overall control of **printer** 10, controller 40 also is operatively connected to light source 12, actuators 20, 24, control...

19/3,K/3 (Item 3 from file: 348)

00405999
PHOTOGRAPHIC PRINTER.
FOTOGRAFISCHES KOPIERGERAT.
IMPRIMANTE PHOTOGRAPHIQUE.
PATENT ASSIGNEE:
EASTMAN KODAK COMPANY, (201214), 343 State Street, Rochester New York 14650-2201, (US), (applicant designated states: CH;DE;FR;GB;LI)
INVENTOR:
GOLL, Edward, Philip, 7859 Tabors Corners Road, Wayland, NY 14572, (US)
CARSON, John, Frederic, 205 Lehigh Station Road, West Henrietta, NY 14586, (US)
LEGAL REPRESENTATIVE:
Lewandowsky, Klaus, Dipl.-Ing. et al (7581), Kodak Aktiengesellschaft, Patentabteilung, D-70323 Stuttgart, (DE)
PATENT (CC, No, Kind, Date): EP 434674 A1 910703 (Basic)
EP 434674 B1 940504
WO 8809956 881215
APPLICATION (CC, No, Date): EP 88906305 880603; WO 88US1856 880603
PRIORITY (CC, No, Date): US 62306 870612
DESIGNATED STATES: CH; DE; FR; GB; LI
INTERNATIONAL PATENT CLASS: G03B-027/73;
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	754
CLAIMS B	(German)	EPBBF1	698
CLAIMS B	(French)	EPBBF1	895
SPEC B	(English)	EPBBF1	5356
Total word count - document A			0
Total word count - document B			7703
Total word count - documents A + B			7703

...SPECIFICATION the large area reflective density of the corresponding paper strip patch 96A-D or the **calibration** patch 100 **aligned** along axis 26. For purposes of explanation, the operation of **printer** 20 in the large area reflection densitometry mode of operation will now be described with...46 is focused by condensing lens 48 onto photodiode 24. Computer 60 then measures the **light detected** by photodiode 24 when LAT filters 76, 78, and 80 (FIG. 2) are aligned, respectively...

19/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00331328
PHOTOGRAPHIC PRINTER.
FOTOGRAFISCHES KOPIERGERAT.
IMPRIMANTE PHOTOGRAPHIQUE.
PATENT ASSIGNEE:
EASTMAN KODAK COMPANY (a New Jersey corporation), (201210), 343 State Street, Rochester New York 14650, (US), (applicant designated states: CH;DE;FR;GB;LI)
INVENTOR:
MORSE, John, Edwin, 183 Hoffman Road, Rochester, NY 14622, (US)
LEGAL REPRESENTATIVE:
Lewandowsky, Klaus, Dipl.-Ing. et al (7581), Kodak Aktiengesellschaft,

Patentabteilung, D-70323 Stuttgart, (DE)
PATENT (CC, No, Kind, Date): EP 362289 A1 900411 (Basic)
EP 362289 B1 930922
WO 8809955 881215
APPLICATION (CC, No, Date): EP 88905528 880603; WO 88US1855 880603
PRIORITY (CC, No, Date): US 62522 870612
DESIGNATED STATES: CH; DE; FR; GB; LI
INTERNATIONAL PATENT CLASS: G03B-027/73;
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	685
CLAIMS B	(German)	EPBBF1	680
CLAIMS B	(French)	EPBBF1	831
SPEC B	(English)	EPBBF1	5058
Total word count - document A			0
Total word count - document B			7254
Total word count - documents A + B			7254

...SPECIFICATION the large area reflective density of the corresponding paper strip patch 96A-D or the **calibration** patch 100 **aligned** along axis 26. For purposes of explanation, the operation of **printer** 20 in the large area reflection densitometry mode of operation will now be described with...

...46 is focused by condensing lens 48 onto photodiode 24. Computer 60 then measures the **light detected** by photodiode 24 when LAT filters 76, 78, and 80 (FIG. 2) are aligned, respectively...

19/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00331314
FILTER APPARATUS FOR USE IN A PHOTOGRAPHIC PRINTER.
FILTERGERAT ZUM GEBRAUCH IN EINEM FOTOGRAFISCHEN KOPIERGERAT.
APPAREIL DE FILTRAGE DESTINE A ETRE UTILISE DANS UNE IMPRIMANTE PHOTOGRAPHIQUE.
PATENT ASSIGNEE:
EASTMAN KODAK COMPANY (a New Jersey corporation), (201210), 343 State Street, Rochester New York 14650, (US), (applicant designated states: CH;DE;FR;GB;LI)
INVENTOR:
BEAULIEU, Dennis, Nolan, 6962 Chili-Riga Center Road, Churchville, NY 14428, (US)
GOLL, Edward, Philip, 7859 Tabors Corners Road, Wayland, NY 14572, (US)
LEGAL REPRESENTATIVE:
Lewandowsky, Klaus, Dipl.-Ing. et al (7581), Kodak Aktiengesellschaft, Patentabteilung, D-70323 Stuttgart, (DE)
PATENT (CC, No, Kind, Date): EP 394249 A1 901031 (Basic)
EP 394249 B1 940420
WO 8809953 881215
APPLICATION (CC, No, Date): EP 88905507 880603; WO 88US1756 880603
PRIORITY (CC, No, Date): US 62523 870612
DESIGNATED STATES: CH; DE; FR; GB; LI
INTERNATIONAL PATENT CLASS: G03B-027/73;

NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	621
CLAIMS B	(German)	EPBBF1	599
CLAIMS B	(French)	EPBBF1	708
SPEC B	(English)	EPBBF1	5095
Total word count - document A			0
Total word count - document B			7023
Total word count - documents A + B			7023

...SPECIFICATION the large area reflective density of the corresponding paper strip patch 96A-D or the **calibration** patch 100 **aligned** along axis 26. For purposes of explanation, the operation of **printer** 20 in the large area reflection densitometry mode of operation will now be described with...

...46 is focused by condensing lens 48 onto photodiode 24. Computer 60 then measures the **light** **detected** by photodiode 24 when LAT filters 76, 78, and 80 (FIG. 2) are aligned, respectively...

19/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00331076
PHOTOGRAPHIC PRINTER INCLUDING INTEGRAL REFLECTION DENSITOMETRY APPARATUS.
FOTOGRAFISCHES KOPIERGERAT MIT EINGEBAUTEM REFLEXIONSDENSITOMETER.
IMPRIMANTE PHOTOGRAPHIQUE COMPRENANT UN APPAREIL DE DENSITOMETRIE A REFLEXION INTEGRALE.
PATENT ASSIGNEE:
EASTMAN KODAK COMPANY (a New Jersey corporation), (201210), 343 State Street, Rochester New York 14650, (US), (applicant designated states: CH;DE;FR;GB;LI)
INVENTOR:
GOLL, Edward, Philip, 7859 Tabors Corners Road, Wayland, NY 14572, (US)
BEAULIEU, Dennis, Nolan, 6962 Chili-Riga Road, Churchville, NY 14428, (US)
LEGAL REPRESENTATIVE:
Lewandowsky, Klaus, Dipl.-Ing. (7581), Kodak Aktiengesellschaft, Patentabteilung, D-70323 Stuttgart, (DE)
PATENT (CC, No, Kind, Date): EP 365551 A1 900502 (Basic)
EP 365551 B1 930929
WO 8809954 881215
APPLICATION (CC, No, Date): EP 88905145 880531; WO 88US1777 880531
PRIORITY (CC, No, Date): US 62304 870612
DESIGNATED STATES: CH; DE; FR; GB; LI
INTERNATIONAL PATENT CLASS: G03B-027/73;
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	491
CLAIMS B	(German)	EPBBF1	462
CLAIMS B	(French)	EPBBF1	504

SPEC B	(English)	EPBBF1	4880
Total word count - document A			0
Total word count - document B			6337
Total word count - documents A + B			6337

...SPECIFICATION the large area reflective density of the corresponding paper strip patch 96A-D or the **calibration** patch 100 **aligned** along axis 26. For purposes of explanation, the operation of **printer** 20 in the large area reflection densitometry mode of operation will now be described with...

...46 is focused by condensing lens 48 onto photodiode 24. Computer 60 then measures the **light detected** by photodiode 24 when LAT filters 76, 78, and 80 (FIG. 2) are aligned, respectively...

19/3,K/7 (Item 7 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

00216747

Luminescence measuring arrangement.

Einrichtung zur Messung der Lumineszenz.

Installation pour la mesure de la luminescence.

PATENT ASSIGNEE:

Lisenbee, Wayne F., (737060), C/O D.B. Finkelstein Esq. Suite 1218 Broadway Plaza 700 South Flower Street, Los Angeles California 90017, (US), (applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

INVENTOR:

Lisenbee, Wayne F., C/O D.B. Finkelstein Esq. Suite 1218 Broadway Plaza 700 South Flower Street, Los Angeles California 90017, (US)

LEGAL REPRESENTATIVE:

Madgwick, Paul Roland et al (50242), Ladas & Parry Isartorplatz 5, W-8000 Munchen 2, (DE)

PATENT (CC, No, Kind, Date): EP 194102 A2 860910 (Basic)
EP 194102 A2 860910
EP 194102 A3 871111
EP 194102 B1 911023

APPLICATION (CC, No, Date): EP 86301415 860227;

PRIORITY (CC, No, Date): US 707496 850301

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G01N-021/76; G01N-035/02; G01N-033/53; B01L-003/00;

ABSTRACT WORD COUNT: 121

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1153
CLAIMS B	(German)	EPBBF1	1043
CLAIMS B	(French)	EPBBF1	1494
SPEC B	(English)	EPBBF1	6692
Total word count - document A			0
Total word count - document B			10382
Total word count - documents A + B			10382

...SPECIFICATION therefrom to be detected by the photo-multiplier tube 238.

As illustrated in Figure 3, **position detection** means 260, 262, and

264 are provided to indicate the position of the tray holder...

...indicated by the arrow 110. In order to determine which row is in a position **to** be **aligned** with the lens aperture 226, a rake-like position indicator 290, having alternate opaque portions...

...various functions of the invention. A printer 130 is provided and illustrated pictorially on Figure **1** , for providing a digitalized printout of, for example, the signals generated by the photo-multiplier ...

...sample wells and generates an output signal, having a magnitude proportional to the intensity of **the** luminescence signal. The photo-multiplier output signal is applied to an amplifier and the amplified...

19/3,K/8 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00824081 **Image available**
ON DEMAND MEDIA WEB ELECTROPHOTOGRAPHIC PRINTING APPARATUS
APPAREIL D'IMPRESSION ELECTROPHOTOGRAPHIQUE SUR DEMANDE SUR BANDE DE SUPPORT
Patent Applicant/Inventor:
ESTABROOKS David A, 50 Water Street Mill #4 Third Floor, PO Box 519, Newburyport, MA 01950, US, US (Residence), US (Nationality)
Patent and Priority Information (Country, Number, Date):
Patent: WO 200157600 A1 20010809 (WO 0157600)
Application: WO 2001US4035 20010205 (PCT/WO US0104035)
Priority Application: US 2000180082 20000203
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 18672

Fulltext Availability:
Detailed Description

Detailed Description
... to gauge the presence of plain continuous media. When media or paper is absent, the **sensor** receives emitted **light** .

Transmissive Media **Sensor** 14B is used to gauge media length for media with
visible inter media gaps, notches, or pre-punched holes. **Light** from the **sensor** passes through the gaps in the media materials semi-transparent

backing enabling the **printer** to measure **media** length during **calibration** .

Reflective **Media** Sensor 14C is a reflective sensor emits light, which is reflected back to the sensor...

19/3,K/9 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00784140
A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A GLOBALLY ADDRESSABLE INTERFACE IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION S'APPLIQUANT DANS UN ENVIRONNEMENT DE STRUCTURE DE SERVICES DE COMMUNICATIONS VIA UNE INTERFACE ADRESSABLE GLOBALEMENT
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918, US,
Legal Representative:
HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill Road, Palo Alto, CA 94304, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200116735 A2-A3 20010308 (WO 0116735)
Application: WO 2000US24198 20000831 (PCT/WO US0024198)
Priority Application: US 99387214 19990831
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 150371

Fulltext Availability:
Detailed Description

Detailed Description
... do not understand how it was designed and developed.

You should make your architecture as **light** -weight as possible only addressing the requirements that drive it. Avoid "nice to have" flexibility...reports and special forms reports.
22. Font Support: Some reports may be printed on laser **printers** and/or may support electronic forms text (i.e., including the fon-ns text in... the
business process;
241

Integration ofperipherals
The workflow system should support many different types of **printers** , modems, fax machines, scanners, and pagers. This is especially important because of the diversity of...

19/3,K/10 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00740862 **Image available**
SYSTEM FOR COLOR BALANCING ANIMATIONS AND THE LIKE
SYSTEME POUR DESSINS ANIMES AVEC EQUILIBRAGE DES COULEURS ET SIMILAIRES
Patent Applicant/Assignee:
TIME WARNER ENTERTAINMENT CO, 4000 Warner Boulevard, Burbank, CA 91522, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
RAMAMURTHY Arjun, 1489 Belleau Road, Glendale, CA 91206, US, US (Residence), US (Nationality), (Designated only for: US)
DAVIS Lemuel L, 1545 Calle Ryan, Encinitas, CA 92024, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
WEISZ Tiberiu, Gottlieb, Rackman & Reisman, P.C., 270 Madison Avenue, 8th floor, New York, NY 10016-0601, US
Patent and Priority Information (Country, Number, Date):
Patent: WO 200054213 A1 20000914 (WO 0054213)
Application: WO 99US10517 19990615 (PCT/WO US9910517)
Priority Application: US 99265037 19990309
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW
Publication Language: English
Filing Language: English
Fulltext Word Count: 11412

Fulltext Availability:
Claims

Claim
... 8 further comprising converting said digital data from said device independent color space to a **printer** color space, and using said converted data to print images on a **printer** .
1@@30
SCANNER @26
2
-20 E
T RGB* CIE -@-32 FD
RGBN
8-N...

...B
RGB=>CIE
SCANNER
8

TABLE 2: SPECTROPHOTMETRIC MESUREMENT OF TARGET PATCHES ON DIFFERENT MEDIA, MONITOR > CMYK **PRINTER** DATA IS SHOWN FOR 24 COLOR PATCHES, MEASURED ON THE MONITOR, EK FILM AND AN...

...PROOFER ON SEMI-MATTE PAPER. THE DIGITAL IMAGE WAS COLOR MANAGED WITH THE MONITOR>CMYK **PRINTER** PROFILES TO PRINT TO THE IRIS 5030 THE DIGITAL IMAGE WAS COLOR MANAGED WITH THE...

...0. 4 %E

TABLE 4: SPECTROPHOTMETRIC IVIESUREMENT OF TARGET PATCHES ON DIFFERENT MEDIA. MONITOR > CMYK **PRINTER** AND PRINTED IMj DATA IS SHOWN FOR 24 COLOR PATCHES, MEASURED ON THE MONITOR (DIGITAL...

...MATTE PAPER AND THE SUBSEQUENT THE DIGITAL IMAGE WAS COLOR MANAGED WITH THE MONITOR > CIVIYK **PRINTER** PROFILES TO PRINT TO THE IRIS 5030. THE SCANNED IMAGE WAS COLOR MANAGED WITH THE...

19/3,K/11 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

00345325 **Image available**

IMPROVED PRINTING SYSTEM

SYSTEME D'IMPRESSION AMELIORE

Patent Applicant/Assignee:
CHECK TECHNOLOGY CORPORATION,

Inventor(s):
RICHARDSON Michael M,
BRITTLE Allan C Jr,
FIEDLER Lee B,
GORHAM Kent,
PETERSON Jay R,
SCHULTZE Gary T,
VETTER Chris J,
WEISS Eugene G,

Patent and Priority Information (Country, Number, Date):
Patent: WO 9627838 A1 19960912
Application: WO 96US3108 19960306 (PCT/WO US9603108)
Priority Application: US 95399126 19950306

Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English
Fulltext Word Count: 6786

Fulltext Availability:
Claims

Claim

... the system can be viewed as including three main modular sections: a collator 100, a **printer** 102, and a stacker 104. Each of these sections operates under the control of a...

The print images are created from format and image data that can be input...

...the carriage motor 1012 is via the servo controller. RCUs 7321 and 732m form a **printer** controller and provide control for the printing mechanisms in the **printer** 102. RCUs 732n and 732o form a stacker controller and provide control for the stacker...

...also provides snapshots of the current status of various modules such as the collator 100, **printer** 102, stacker 104. Additionally, the system manager 730 generates job lists and allows users to create and edit collation sequences, **printer** jobs, images for printing, and fonts. Another advantage of system manager 730 is that it...data bus 736 and provides an interface for various sensors for detecting events such as **errors** , the presence of a **sheet** at a particular location, or the position of a movable mechanism.
Internal/external status display to rotate the **sheet** and correct the angular **error** .
RCU's 732j and 732k then adjust the speed and phase of the first and second stepper motors 1036 and 1038, respectively, until the angular **error** of the **sheets** is corrected. Once the leading edge of the sheet is substantially perpendicular to the path...

...steps made by the stepper motors 1036 and 1038 and thus one half the angular **error** of the **sheet** . Thus, the number of mathematical operations required by the RCUs 732j and 732k is reduced...

...adjustment of the first and second stepper motors 1036 or 1038 is minimized and angular **error** of the **sheet** is adjusted very quickly. Such a quick response time is very important when the sheets...

19/3,K/12 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00207601
STANDARDIZED COLOR CALIBRATION OF ELECTRONIC IMAGERY
ETALONNAGE DE COULEUR NORMALISE D'IMAGES ELECTRONIQUES
Patent Applicant/Assignee:
SAVITAR INC,
Inventor(s):
HANNAH Eric C,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9204803 A1 19920319
Application: WO 91US5144 19910807 (PCT/WO US9105144)
Priority Application: US 90899 19900829; US 90346 19901214
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT BE CA CH DE DK ES FR GB GR IT JP LU NL SE
Publication Language: English
Fulltext Word Count: 11676

Fulltext Availability:
Claims
Claim
... X, Y, and Z values parameterized by
luminance.
61e A method of calibrating a color **printer** ,
comprising:
creating a table of driving values for driving
a **printer** mechanism;
producing a color strip on a test sheet f or each
table entry;
illuminating...

...spectra;
imaging sampled light f rom. the light source
through the spectral plate into a **detector** to form a
light source spectrum;
dividing said color strip spectra by said light
source spectrum to provide normalized source using the color
calibration data.
SUBSTITUTE **SHEET**

19/3,K/13 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00164699
STEREOLITHOGRAPHIC BEAM PROFILING
PROFILAGE DE FAISCEAU STEREOLITHOGRAPHIQUE
Patent Applicant/Assignee:
3D SYSTEMS INC,
Inventor(s):
SPENCE Stuart Thomas,
TARNOFF Harry,
ALMQUIST Thomas,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8911085 A1 19891116
Application: WO 89US1559 19890417 (PCT/WO US8901559)
Priority Application: US 88830 19880418; US 88816 19881108; US 88837 19881108; US 88907 19881108; US 88801 19881108
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
JP KR
Publication Language: English
Fulltext Word Count: 292227
Fulltext Availability:
Detailed Description

Detailed Description
... O then begin
port[$70] := $07; get day
Day := port[$713;
port[$70] := $OA;

SUBSTITUTE **SHEET**
-34*225
if (port[$71] and $80)=0 then begin
port[$70] := $08; get month...22;
LaserAddr = $300
NumSensors = 2;
Timeout = 60000;
---
procedure OverText(Text: String;len: Integer); forward;
procedure **PrintError** (Text: String); forward;
include various files
J$i utility.incl I miscellaneous routines
J$i...
...equates
J$i bldmon.incl I profile monitor routines

Describe Error to Operator
1
procedure **PrintError** (Textt. String);
SUIBSTITUTE SHZET
-34o284
begin
beep;
if OpMode = TextOp then begin
if whereX>1...

19/3,K/14 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00153044
PHOTOGRAPHIC PRINTER
IMPRIMANTE PHOTOGRAPHIQUE
Patent Applicant/Assignee:
EASTMAN KODAK COMPANY,
Inventor(s):
GOLL Edward Philip,
CARSON John Frederic,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8809956 A1 19881215
Application: WO 88US1856 19880603 (PCT/WO US8801856)
Priority Application: US 87306 19870612
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CH DE FR GB JP
Publication Language: English
Fulltext Word Count: 8129

Fulltext Availability:
Claims

Claim
... sensing mechanism 51 in the
manner described above,
Thus, as carrier 90 is inserted into
printer 20 (from left to right as viewed in FIG. 6)0
reflection densitometry apparatus 50 of the **printer**

19/3,K/15 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00153043
PHOTOGRAPHIC PRINTER
IMPRIMANTE PHOTOGRAPHIQUE
Patent Applicant/Assignee:
EASTMAN KODAK COMPANY,
Inventor(s):
MORSE John Edwin,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8809955 A1 19881215
Application: WO 88US1855 19880603 (PCT/WO US8801855)
Priority Application: US 87522 19870612
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CH DE FR GB JP
Publication Language: English
Fulltext Word Count: 6483

Fulltext Availability:
Claims
Claim
... sensing mechanism 51 in the manner described above. Thus, as carrier 90 is inserted into **printer** 20 (form left to right as viewed in FIG, 6)v reflection densitometry apparatus 50 of the **printer** is used to measure the large area reflective density of white **calibration** patch 100, and **paper** strip patches 96D. 96Cv 96B. and 96A, in that order. When the large area reflective densitometry measurements are complete, carrier 90 is removed from **printer** 20, and, under the control of computer 60, reflection densitometry apparatus 50 becomes essentially invisible to the **printer** . If. for example, paper strip 92 comprises a paper process control strip,, the large area...

...60, The invention is not thus limited, however, and the reflection densitometry capability provided by **printer** 20 can be used, for example, to measure the LATD of **printer** control test prints, or to make any other appropriate reflection densitometry measurements, FIGS. 7 and...

...142 in carrier 901. LED's 134, 136, and photosensors 138$ 140, are fixed on **printer** 20 on opposite sides of slot 118 (FIG. 6). A separate position hole 142 is...

...each aperture 96A-96D. Detents 102A-102E are still used to position carrier 901 in

printer 20. However, computer 60 senses the position of carrier 901 by monitoring photosensors 138, 140. Specifically, when carrier 901 is inserted into **printer** 20, the carrier will block the light path between LED 136 and photosensor 140, turning the photosensor off, As carrier 901 is advanced into **printer** 20, LED 134 and photosensor 138 will together sense each hole 142 as patch 100...

...area reflection densitometry measurements in the manner described above, There is thus provided a photographic **printer** with the capability to measure the LATD and/or scanned transmissive density of negatives on the same optical axis on which these negatives are printed. The **printer** utilizes common optical components for both the densitometry measurements and printing, yielding highly accurate and...of: scanning the transmissive density of said negative at -a plurality of locations using a **light sensor** fixed on an optical axis; disposing said portion of photographic paper between said negative and said **light sensor** in a plane generally perpendicular to and centered on said optical axis; and printing said...

19/3,K/16 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00153042
PHOTOGRAPHIC PRINTER INCLUDING INTEGRAL REFLECTION DENSITOMETRY APPARATUS
IMPRIMANTE PHOTOGRAPHIQUE COMPRENANT UN APPAREIL DE DENSITOMETRIE A REFLEXION INTEGRALE
Patent Applicant/Assignee:
EASTMAN KODAK COMPANY,
Inventor(s):
GOLL Edward Philip,
BEAULIEU Dennis Nolan,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8809954 A1 19881215
Application: WO 88US1777 19880531 (PCT/WO US8801777)
Priority Application: US 87304 19870612
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CH DE FR GB JP
Publication Language: English
Fulltext Word Count: 5597

Fulltext Availability:
Claims

Claim
... sensing mechanism 51 in the manner described above.

Thus, as carrier 90 is inserted into **printer** 20 (from left to right as viewed in FIG, 6), reflection densitometry apparatus 50 of the **printer** is used to measure the large area reflective density of white **calibration** patch 100, and **paper** strip patches 96D, 96Cp 96B. and 96A, in that order, When the large area reflective densitometry measurements are complete, carrier 90 is removed from **printer** 20, and, under the control of computer 60,, reflection densitometry apparatus 50 becomes essentially invisible to the **printer** , If. for example, paper strip 92 comprises a paper process control strip, the large area...

...60 , The invention is not thus limited, however,, and the reflection densitometry capability provided by **printer** 20 can be used, for example, to measure the LATD of **printer** control test prints, or to make any other appropriate reflection densitometry measurements, FIGSw 7 and...

...142 in carrier 901, LED's 134, 136, and photosensors 138p: 140, are fixed.on **printer** 20 on opposite sides of slot 118 9FIG, 6), A separate position hole 142 is...

...each aperture 96A-96D. Detents 102A-102E are still used to position carrier 901 in **printer** 20, However, computer 60 senses the position of carrier 901 by monitoring photosensors 138, 140. Specifically, when carrier 901 is inserted into **printer** 20, the carrier will block the light path between LED 136 and photosensor 140, turning the photosensor off. As carrier 901 is advanced into **printer** 20, LED 134 and photosensor 138 will together sense each hole 142 as patch 100...
...area reflection densitometry measurements in the manner described above. There is thus provided a photographic **printer** including integral apparatus for measuring the reflective density of photographic prints and/or other types...

...measurement, including illumination and filtering, responsive to the introduction of the reflective patch into the **printer** .
While a preferred embodiment of the invention has been illustrated and ...without departing from the spirit and scope of the present invention,
Claims:
la A photographic **printer** including reflection densitometry apparatus: comprising:
a **light sensor** positioned at a selected location on said **printer** ;
a carrier separable from said **printer** for

supporting at least one reflective patch;
means disposed on said **printer** for
supporting said cdrrier on said **printer** ; and
means responsive to the introduction of
said carrier into said supporting means for
illuminating...

...reflective patch and for focusing
the light reflected off of said reflective patch
onto said **light** **sensor** so as to measure the
reflective density of said reflective patch,

2 The apparatus of...

23/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00943788
Image position error detection technique
Technik zur Erkennung von Bildstellungsfehlern
Technique de detection d'erreur de la position d'une image
PATENT ASSIGNEE:
Agfa Corporation, (2664340), 100 Challenger Road, Ridgefield Park, NJ 07660-2199, (US), (Proprietor designated states: all)
INVENTOR:
Allen, Roy, 9 Corbett Drive, Burlington, MA, (US)
LEGAL REPRESENTATIVE:
Van Ostaeyen, Marc Albert Jozef et al (86095), Agfa-Gevaert Corporate IP Department, Septestraat 27, 2640 Mortsel, (BE)
PATENT (CC, No, Kind, Date): EP 856402 A1 980805 (Basic)
EP 856402 B1 030716
APPLICATION (CC, No, Date): EP 98200153 980121;
PRIORITY (CC, No, Date): US 789812 970128
DESIGNATED STATES: BE; DE; FR; GB
INTERNATIONAL PATENT CLASS: B41F-033/00
ABSTRACT WORD COUNT: 66
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200329	1653
CLAIMS B	(German)	200329	1548
CLAIMS B	(French)	200329	1749
SPEC A	(English)	199832	12316
SPEC B	(English)	200329	12510
Total word count - document A			12317
Total word count - document B			17460
Total word count - documents A + B			29777

...SPECIFICATION register mark.
Another technique which has been proposed for use in ion beam lithography utilizes **alignment marks** and apertures. The light radiating from the **alignment marks** is sensed and the intensity of the **detected** radiating **light** is measured to **determine** if the apertures and **alignment marks** are misaligned. This technique, although providing a relatively accurate means of detecting a misalignment and...

...the overlaid register marks. In the case of perfect alignment, the positive and negative register **marks** will exactly **overlay** with no gaps between the tow **marks** . If a **misalignment** is present a gap will be visible to the operator.

One problem with this method...

...is allowed that the separations may be acceptably overlaid while still allowing a small misalignment **error** , e.g. plus or minus about 25 microns, as is usually the case, there is...

...In order to allow for a range of misalignment the gap created by the

misalignment **error** of the registration marks of Kutagawa would need to be measured.

Objectives of the Invention...

23/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01000979
THE PFN/TRAC SYSTEM"sup"TM FAA UPGRADES FOR ACCOUNTABLE REMOTE AND ROBOTICS CONTROL TO STOP THE UNAUTHORIZED USE OF AIRCRAFT AND TO IMPROVE EQUIPMENT MANAGEMENT AND PUBLIC SAFETY IN TRANSPORTATION
PERFECTIONNEMENTS FAA AU SYSTEME PFN/TRAC<SP>MD</SP> POUR LE CONTROLE RESPONSABLE A DISTANCE ET ROBOTIQUE POUR L'ELIMINATION DE L'UTILISATION NON AUTORISEE D'AERONEFS ET POUR L'AMELIORATION DE LA GESTION D'EQUIPEMENT ET DE LA SECURITE PUBLIQUE DANS LE DOMAINE DU TRANSPORT
Patent Applicant/Assignee:
KLINE & WALKER LLC, 11201 Spur Wheel Lane, Potomac, MD 20854, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
WALKER Richard C, 11201 Spur Wheel Lane, Potomac, MD 20854, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
DONNER Irah H (et al) (agent), Hale and Dorr LLP, 1455 Pennsylvania Avenue, N.W., Washington, DC 20004, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200329922 A2 20030410 (WO 0329922)
Application: WO 2002US30857 20021001 (PCT/WO US0230857)
Priority Application: US 2001325538 20011001; US 2001330085 20011019
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 133713

Fulltext Availability:
Detailed Description

Detailed Description
... protective structure. The use and application still has to be prescribed as stated in the **above** process. This critical point is a most important embodiment of the technology, This self-integrity...

23/3,K/3 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00984073 **Image available**
PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE IDENTIFICATION
CARTOUCHE D'IMPRESSION A IDENTIFICATION DE CODE A DEUX DIMENSIONS
Patent Applicant/Assignee:
SILVERBROOK RESEARCH PTY LTD, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
SILVERBROOK Kia, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated only for: US)
Legal Representative:
SILVERBROOK Kia (agent), Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041, AU,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200313869 A2-A3 20030220 (WO 0313869)
Application: WO 2002AU915 20020709 (PCT/WO AU0200915)
Priority Application: US 2001922159 20010806
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 142147

Fulltext Availability:
Detailed Description

Detailed Description
... the AI 87 accepts signals from the Artcard scanner linear CCD 34, detects the bit **pattern** printed on the card, and converts the bit pattern into the original data, correcting read **errors** .

With no Artcard 9 inserted, the image printed from an Artcam. is simply the sensed...Artcard scanner linear CCD 34, detects the bit pattern printed on the card, and corrects **errors** in the detected bit pattern, producing a valid Artcard data block in DRAM.

Reading Data...should have an laka value of 0 (to prevent multiple ambient contributions).

If the ambient **light** is processed as a separate pass (and not the first pass), it is necessary to...

23/3,K/4 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00911764
SYSTEMS AND METHODS FOR DETECTION ASSAY ORDERING, DESIGN, PRODUCTION,

INVENTORY, SALES AND ANALYSIS FOR USE WITH OR IN A PRODUCTION FACILITY

SYSTEMES ET PROCEDES DE COMMANDE, DE CONCEPTION, DE PRODUCTION, D'INVENTAIRE, DE VENTE ET D'ANALYSE DE DOSAGES DE DETECTION, POUVANT ETRE UTILISES AVEC OU DANS UN MOYEN DE PRODUCTION

Patent Applicant/Assignee:
THIRD WAVE TECHNOLOGIES INC, 502 South Rosa Road, Madison, WI 53719, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:
BROWER Amy, 8519 Elderberry Road, Madison, WI 53717, US, US (Residence), US (Nationality), (Designated only for: US)
BROW Mary Ann, 910 Pebble Beach Drive, Madison, WI 53717, US, US (Residence), US (Nationality), (Designated only for: US)
CRACAUER Raymond F, 3108 Creekview Drive #6, Madison, WI 53562, US, US (Residence), US (Nationality), (Designated only for: US)
FORS Lance, Hidden Hollow Trails #12, Madison, WI 53719, US, US (Residence), US (Nationality), (Designated only for: US)
GRANSKE Rocky, 2933 Manchester Road, Madison, WI 53719, US, US (Residence), US (Nationality), (Designated only for: US)
DE ARRUDA INDIG Monika, 6618 Montclair Lane, Madison, WI 53711, US, US (Residence), US (Nationality), (Designated only for: US)
KURENSKY David, 3279 N. Cramer, Milwaukee, WI 53211, US, US (Residence), US (Nationality), (Designated only for: US)
LUEDTKE Craig, 305 Edgemere Court, Waunakee, WI 53211, US, US (Residence), US (Nationality), (Designated only for: US)
LUKOWIAK Andrew A, 2254 High Ridge Trail, Madison, WI 53713, US, US (Residence), US (Nationality), (Designated only for: US)
LYAMICHEV Victor, 2523 Carriedale Court, Madison, WI 53711, US, US (Residence), RU (Nationality), (Designated only for: US)
NERI Bruce P, 5714 Kilkenny Place, Madison, WI 53711, US, US (Residence), US (Nationality), (Designated only for: US)
REIMER Ned D, 7125 Gladstone Drive, Madison, WI 53219, US, US (Residence), US (Nationality), (Designated only for: US)
ROEVEN Robert T P, 324 Lowell Street, Stoughton, WI 53589, US, US (Residence), US (Nationality), (Designated only for: US)
SKRZYPCZYNSKI Zbiginiev, 881 Orchid Street, Verona, WI 53711, US, US (Residence), PL (Nationality), (Designated only for: US)
ZIARNO Witold A, 6301 Offshore Drive #319, Madison, WI 53705, US, US (Residence), US (Nationality), (Designated only for: US)
COMERFORD John, 7755 Summerfield Drive, Vernona, WI 53593, US, US (Residence), US (Nationality), (Designated only for: US)
STUMP Steven, 575 Harvest Lane, Verona, WI 53593, US, US (Residence), US (Nationality), (Designated only for: US)
VIEGUT Daniel D, 17 Jacobs Court, Madison, WI 53711, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:
CASIMIR David A (et al) (agent), Medlen & Carroll, LLP, Suite 350, 101 Howard Street, San Francisco, CA 94105, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200244994 A2 20020606 (WO 0244994)
Application: WO 2001US45705 20011130 (PCT/WO US0145705)
Priority Application: US 2000250112 20001130; US 2000250449 20001130; US 2001771332 20010126; US 2001782702 20010213; US 2001285895 20010423; US 2001288229 20010502; US 2001289764 20010509; US 2001304521 20010711; US 2001307660 20010725; US 2001915063 20010725; US 2001308878 20010731; US 2001311582 20010810; US 2001929135 20010814; US 2001930535 20010815; US 2001930688 20010815; US 2001930646 20010815; US 2001930543 20010815; US 2001326549 20011002; US 2001238312 20011010; US 2001329113 20011012; US 2001328861 20011012; US 2001360489 20011019; US 20012251 20011026; US

200154023 20011113
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 140672

Fulltext Availability:
Detailed Description

Detailed Description
... of codes for attaching presentation and linking attributes to informational content within documents. HTML is **based** on SGML, the Standard Generalized Markup Language. During a document authoring stage, the HTML codes...

23/3,K/5 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00802534
ANY-TO-ANY COMPONENT COMPUTING SYSTEM
SYSTEME INFORMATIQUE A COMPOSANTS TOUTE CATEGORIE
Patent Applicant/Assignee:
E-BRAIN SOLUTIONS LLC, 1200 Mountain Creek Road, Suite 440, Chattanooga, TN 34705, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
WARREN Peter, 1200 Mountain Creek Road, Suite 440, Chattanooga, TN 37405, US, GB (Residence), GB (Nationality), (Designated only for: US)
LOWE Steven, 1625 Starboard Drive, Hixson, TN 37343, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
MEHRMAN Michael J (agent), Paper Mill Village, Building 23, 600 Village Trace, Suite 300, Marietta, GA 30067, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200135216 A2-A3 20010517 (WO 0135216)
Application: WO 2000US31231 20001113 (PCT/WO US0031231)
Priority Application: US 99164884 19991112
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 275671

Fulltext Availability:
Claims

Claim
... Hence, the words: 'invitation' and 'invited' are related in

the mind of the secretary. The
Base Concept, the basic idea conveyed by the word 'invite' is constant and does not change...either to display the required data on a screen or to output it to a **printer** or other output device. Screens, **printers** and other output devices have the needed abilities, but in the state of the art...

23/3,K/6 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00784137
SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR DISTRIBUTED GARBAGE COLLECTION IN ENVIRONMENT SERVICES PATTERNS
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION EN MATIERE DE RECUPERATION D'ESPACE REPARTI DANS DES MOTIFS DE SERVICES D'ENVIRONNEMENT
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
BOWMAN-AMUAH Michel K, 6416 Peak Vista Circle, Colorado Springs, CO 80918, US,
Legal Representative:
HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill Road, Palo Alto, CA 94304, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200116729 A2-A3 20010308 (WO 0116729)
Application: WO 2000US24238 20000831 (PCT/WO US0024238)
Priority Application: US 99386435 19990831
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 150959

Fulltext Availability:
Detailed Description

Detailed Description
... to know about how to calculate the price of a product, including the product's **base** price (although this might belong in a Product component), discounts and rules for when they...

23/3,K/7 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00761423
A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR EFFECTIVELY CONVEYING WHICH COMPONENTS OF A SYSTEM ARE REQUIRED FOR IMPLEMENTATION OF TECHNOLOGY
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR L'ACHEMINEMENT EFFICACE DES COMPOSANTS D'UN SYSTEME NECESSAIRES A LA MISE EN PRATIQUE D'UNE TECHNOLOGIE
Patent Applicant/Assignee:
ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US (Residence), US (Nationality)
Inventor(s):
GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,
Legal Representative:
BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903, Minneapolis, MN 55402-0903, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200073929 A2 20001207 (WO 0073929)
Application: WO 2000US14457 20000524 (PCT/WO US0014457)
Priority Application: US 99321136 19990527
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY CA CH CN CR CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 150133

Fulltext Availability:
Detailed Description

Detailed Description
... a dedicated presentation design tool can be used to provide maintainable documentation of the presentation **design** which can be used to clarify and communicate issues.

Product Considerations
a) How much does...program break points and step through a program, tracking the progress of execution and identifying **errors**

The business will help determine where the **printers** need to be located based on where/ when printing needs to take place. In some utilize system resources considerably (e.g., WAN, LAN, **printer**), and may tie up the printing queue for other individuals. This type of printing should be performed in off-hours or delayed to avoid contention for the **printer** during business hours.

What are some limitations that may be encountered?
In a distributed environment...

...the balancing reports for easy
180
auditor review.

0 Provides a common output spooling and **printer** device control capability across the network.

0 Provide report reprint capability, avoid reruns in lost...

...volumes to the resource consumption management
facility.

Does the toolprovide supportfor specific areas?
Support multiple **printer** types as well as report delivery across them. This includes **printer** format translation (PCL, Postscript, etc..) and code translation.

Any other specificfunctional requirements?
Output management issues...